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United States
Department of
Agriculture

Agricultural
Research
Service

Miscellaneous
Publication
Number 1464

Releases of Beneficial Organisms in the United States and Territories-1981

ABSTRACT

Coulson, Jack R., Audrey Carrell, and David L. Vincent. 1988. Releases of Beneficial Organisms in the United States and Territories - 1981. U.S. Department of Agriculture, Miscellaneous Publication No. 1464, 324 pp.

This is the first of an annual series of reports on the releases of introduced beneficial organisms in the United States and its Territories for biological control of pests or for crop pollination. This report is produced from the computerized database "Releases of Beneficial Organisms" (ROBO) of the Agricultural Research Service Biological Control Documentation Center.

Over 13.5 million individuals of at least 145 species of insect and mite parasites and predators, almost exclusively of foreign origin, were released against 84 insect and mite pests, also predominantly introduced species, in the United States and its Territories in 1981. In addition, over 1.5 million individuals of 20 species of exotic natural enemies of 18 species of introduced weeds, and 6 species of pollinators and other beneficial organisms, were released that year. These releases, either from field collections or cultures of foreign origin, or recolonizations from previously established populations in the United States, were made in 48 States or Territories in 1981. Shipments of 42 biological control agents were sent from U.S. facilities to foreign countries in 1981. Also listed in this report are the numerous individuals in the nearly 300 Federal, State, university, Territorial, private, and foreign facilities engaged in biological control and other importation, release, and related activities in 1981.

In addition to an annual publication, the ROBO database can produce computer reports of shipments sent or received and releases of beneficial organisms on a facility or State-Territory basis and detailed reports of the individual releases, shipments, or importations. The publication includes examples of the detailed individual release reports, of which all data sets can be searched in the ROBO database.

KEYWORDS: Biological control, introductions, natural enemies, parasites (parasitoids), pollinators, predators, weed control agents.

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Issued August 1988

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RELEASES OF BENEFICIAL ORGANISMS IN THE UNITED STATES AND TERRITORIES - 1981

Compiled by Jack R. Coulson, Audrey Carrell, and David L. Vincent

INTRODUCTION

Biological control of pests can be improved by good management of data. The search for, collection, and importation of exotic natural enemies for release, establishment, and dispersal as biological control agents of pests in the United States and Territories represent excellent opportunities, indeed an obligation, to collect and store valuable information of present and future interest. The critical need to compile such data for improving biological pest control is well recognized (Bottrell et al., 1976; USDA, 1978; Battenfield, 1983). This type of information is of current and historical interest not only to biological control and integrated pest management scientists and administrators but also to systematists and ecologists. Unfortunately, detailed records of biological control attempts have often not been published, or even kept in many instances (Greathead, 1986). And compilations of the results of these activities (for example, Clausen, 1978) are usually based only on published, generally incomplete information.

The introduction of living plant germplasm into the United States has long been well documented by a series of annual publications of the U.S. Department of Agriculture (USDA), the latest being for 1986 importations (Stern and White, 1987), and by the computerized Germplasm Resources Information Network (GRIN) (Perry et al., 1988). This present publication is the first of an annual series designed to similarly document the importation of other beneficial organisms into the United States and Territories. It presents mostly unpublished information on one of the activities involved in importation programs, that is, the field or greenhouse release of introduced biological control agents and pollinators. Since many of the releases represent recolonizations of introduced species from established populations, the publication also includes information on establishments and dispersals.

Much additional information is stored in the computerized database from which this publication was produced, including information on the original collection of foreign or overseas

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Biological Control Documentation Center, Beneficial Insects Laboratory, Beltsville Agricultural Research Center, Beltsville, MD 20705.

Although the data on which this publication is based were collected in 1981, the information is still valid and useful as a historical record and as guidelines for further documentation of the collection and release of beneficial organisms in the United States and Territories.

shipments arriving in the United States and Territories, that is, collection and importation data. A brief description of this database, "Releases of Beneficial Organisms" (ROBO), has been published (Coulson, 1987). Publication of a more detailed description has been planned and a 1985 user manual is being revised. In addition to this annual publication, the following computer reports can be produced by ROBO:

1. Annual Reports of Releases by State or Facility
2. Detailed Reports of Individual Releases
3. Annual Reports of Shipments or Consignments From Each Domestic Facility
4. Annual Reports of Materials Received by State or Facility
5. Detailed Reports of Individual Shipments (Quarantine and Nonquarantine)
6. Annual Reports of Shipments From Each Overseas/Foreign Facility
7. Annual Reports of Foreign Shipments Received by Each Domestic Facility
8. Detailed Reports of Individual Foreign/Overseas Shipments

Three examples of individual Release Reports (Rpt. 2)--one for a field release from quarantine (ex. 1) and two for nonquarantine releases (ex. 2-3)--are presented here. Inquiries concerning each of the data sets for these reports can be made using free-form Wang computer file utilities. Additional collection and release details can be obtained from biological shipment record forms on file in the ARS Biological Control Documentation Center (BCDC).

Many persons have contributed to the development of ROBO, including many biological control colleagues who responded to a 1982 user survey, which helped complete revision of three Biological Shipment Record forms and of the computer programs themselves. The forms were developed and revised with the help of Abby Weiner and with some final revisions by A.L. Siehl, both of Forms Management, General Services Division, Agricultural Research Service (ARS). The computer programs were written in COBOL for a Wang VS-100 by Mary Goldenbaum, with revisions during the debugging process by Anne Damico and Paul Sobus, all three under contract from Program Resources, Inc., and by William Murphy of the former ARS Biosystematics and Beneficial Insects Institute. Rob Selvage, Ed Bird, and Joe Burton of the former ARS Communications and Data Services Division (CDSD) were involved in system design and early programming.

This publication is modeled after, but more detailed than, the similar annual bulletin of releases in Canada published since the 1930's. The most recent issue reports 1984 releases (Sarazin and Hamilton, 1988). Much of the data included in ROBO has been provided by the many biological control scientists and

Example 1. RELEASE REPORT Q REPT. DATE 02/25/88

RELEASE FILE NO: BIRL-81-0191
ORGANISM RELEASED:
Apanteles flavicoxis (Marsh)
IDENTIFIER(S):
CURRENT NAME =
Glyptapanteles flavicoxis (Marsh)

TAXONOMIC POSITION - CLASS	ORDER	FAMILY
Insecta	Hymenoptera	Braconidae

TYPE OF ORGANISM: PA STAGE/PART OF HOST/PREY ATTACKED: L

ORIGIN

CIBCIS-81-0004-A	India	Himachal Pradesh
CIBCIS-81-0005-A	India	Himachal Pradesh

ORIGINAL HOST/PREY: Lymantria obfuscata

COLLECTOR(S): Ramaseshiah, G CIBCIS

CULT: BIRL Lymantria dispar GENERATIONS: 1-10

QUARANTINE ORIGIN
Beneficial Insects Research Laboratory
ARS, USDA
501 South Chapel Street
Newark DE 19713 USA

DATES OF RELEASE MM/DD/YY	MATERIAL RELEASED NOS.	STAGE	TARGET HOST(S)/PREY GENUS SPECIES AUTHOR	TAXONOMIC POSITION OF TARGET HOST(S)/PREY CLASS ORDER FAMILY
8/19/81	202	A	Lymantria dispar (Linnaeus)	Insecta Lepidoptera Lymantriidae

HOST PLANT/ANIMAL OF TARGET HOST(S)/PREY: oak, beech, other hardwoods

RELEASE LOCATION

STATE	COUNTY	TOWN
DE	New Castle	Wilmington

RELEASER(S)
Fuester, R W Schaefer, P W
Beneficial Insects Research Laboratory
ARS, USDA
501 South Chapel Street
Newark DE 19713 USA

REPRESENTATIVE SPECIMENS - NUMBER: LOCATION:

Example 2. RELEASE REPORT NQ REPT. DATE 02/25/88

RELEASE FILE NO: UCR-EFL-81-0022
ORGANISM RELEASED:
Peranus maindronii (Lewis)
IDENTIFIER(S): Legner, E F UCR Siddiqui, R K CIBCPS
CURRENT NAME =
Atholus maindronii (Lewis)

TAXONOMIC POSITION - CLASS	ORDER	FAMILY
Insecta	Coleoptera	Histeridae

TYPE OF ORGANISM: PR STAGE/PART OF HOST/PREY ATTACKED: E,L,P

ORIGIN
Pakistan Punjab

ORIGIN FILE NUMBERS
UCR-81-0056

NON-QUARANTINE ORIGIN

LABORATORY CULTURED
University of California, Riverside
Division of Biological Control
Department of Entomology
Riverside CA 92521
USA

FIELD COLLECTED - STATE, COUNTY, MM/YY
/ /
BY:

LAB HOST: Musca domestica GENERATIONS: 1-10
FIELD HOST:

DATES OF RELEASE MM/DD/YY	MATERIAL RELEASED NOS.	STAGE	TARGET HOST(S)/PREY GENUS SPECIES AUTHOR	TAXONOMIC POSITION OF TARGET HOST(S)/PREY CLASS ORDER FAMILY
11/ 9/81	6	A	Haematobia irritans (Linnaeus)	Insecta Diptera Muscidae

HOST PLANT/ANIMAL OF TARGET HOST(S)/PREY: cattle (dung)

RELEASE LOCATION

STATE	COUNTY	TOWN
CA	Tulare	Porterville

RELEASER(S)
Legner, E F Warkentin, R W
University of California, Riverside
Division of Biological Control
Department of Entomology
Riverside CA 92521 USA

REPRESENTATIVE SPECIMENS - NUMBER: LOCATION:

Example 3. RELEASE REPORT NQ REPT. DATE 02/25/88

RELEASE FILE NO: BIRL-RMH-81-0097
ORGANISM RELEASED:
Chrysocharis punctifacies Delucchi
IDENTIFIER(S): Hendrickson, R M BIRL
CURRENT NAME =
Chrysocharis liriomyzae Delucchi

TAXONOMIC POSITION - CLASS	ORDER	FAMILY
Insecta	Hymenoptera	Eulophidae

TYPE OF ORGANISM: PA STAGE/PART OF HOST/PREY ATTACKED: L

ORIGIN
Europe

ORIGIN FILE NUMBERS

LABORATORY CULTURED	NON-QUARANTINE ORIGIN FIELD COLLECTED - STATE, COUNTY, MM/YY	
	PA Chester	7/81 /
	BY: BIRL	

LAB HOST: GENERATIONS:
FIELD HOST: Agromyza frontella

DATES OF RELEASE MM/DD/YY	MATERIAL RELEASED NOS.	STAGE	TARGET HOST(S)/PREY GENUS SPECIES AUTHOR	TAXONOMIC POSITION OF TARGET HOST(S)/PREY CLASS ORDER FAMILY
8/ 6/81	84	A	Agromyza frontella (Rondani)	Insecta Diptera Agromyzidae

HOST PLANT/ANIMAL OF TARGET HOST(S)/PREY: alfalfa

RELEASE LOCATION

STATE	COUNTY	TOWN
MD	Baltimore	Monkton

RELEASER(S)
Hollins, M
Maryland Department of Agriculture
Plant Protection Section
51st Street
College Park MD 20742 USA

REPRESENTATIVE SPECIMENS - NUMBER: LOCATION:

action agency personnel listed in section VIII of this publication. Their voluntary cooperation is greatly appreciated.

Citation of Release Data

If data concerning releases reported in this publication are to be cited, the pertinent journal or other reference to the release(s) should be given whenever possible. If this is not possible, or if it is otherwise desirable to cite release data from this publication, the pertinent project leader (or facility or releaser, if the release was made directly from quarantine) should be given as the source of the data. Credit should also be given to the releaser and original collector of the material when they differ from the project leader. For example: (1) When referencing releases of Euseius quetzali against the broad mite in California, cite McMurtry, J.A., Univ. Calif., Riverside, p. 83, in "Releases of Beneficial Organisms in the United States and Territories - 1981," Coulson, J.R., et al., compilers, U.S. Dept. Agr., Agr. Res. Serv., Misc. Pub. 1464, 1988. (2) When referencing releases of Praon flavinode against the lime aphid in California, cite Dahlsten, D.L., Univ. Calif., Berkeley, p. 144, in "Releases of Beneficial Organisms in the United States and Territories - 1981," Coulson, J.R., et al., compilers, U.S. Dept. Agr., Agr. Res. Serv., Misc. Pub. 1464, 1988. (K.P. Carl, CIBC, Switzerland, collector)

Explanation of Entries

All entries in the various sections of this publication should be fairly self-explanatory. However, it may be helpful to explain the information included in some columns of part A in sections I and II.

Column 4. Each importation, shipment, or release record in ROBO is recorded by a file number, as illustrated by those listed in this column. The file number for releases from quarantine consists of a facility acronym, year, and consecutive number. For nonquarantine releases, the initials of the project leader responsible for the release are included in the file number. The facility acronyms are listed in section VIII with full facility addresses and with names of all personnel participating in the collection, shipment, or release activities in 1981. The addresses are those of 1981. Also in column 4 of part A, are the facility acronym and full name of the releaser(s). For Extension personnel or county agents and field personnel of Plant Protection and Quarantine (PPQ), Animal and Plant Health Inspection Service (APHIS), usually only the address of the releaser's headquarters is listed rather than each specific address. The asterisk (*) in this column indicates that specimens representing the material released have been retained.

Column 2. The country or State and sometimes county where the released material was collected are listed in this column, together with the acronym of the quarantine, overseas, or

nonquarantine facilities (the last with the collector's initials) from which the material originated; these facilities and personnel are also listed in section VIII. More details of the original overseas collections and shipments are available from the ROBO database (Rpts. 5 and/or 8).

Column 3. The State/Territory and county where the release was made and month of the release are listed in this column, together with the number and stage of the organism released. (The category "county" also includes parishes [for Louisiana], independent cities [for Virginia], or other political subdivisions analagous to counties in the various States and Territories.) Additional release details can be obtained from the ROBO database (Rpt. 2). The "e" following the number released indicates it is an estimate. The abbreviations used for stages and for States and Territories are given later in this introduction. Column 3 also contains numbers referring to notes listed at the end of part A in sections I and II.

Scientific Names and Classification Systems

All scientific names in columns 1 and 5 of part A of sections I and II and elsewhere in this publication have been verified by systematists of the Systematic Entomology Laboratory (SEL) and Systematic Botany, Mycology, and Nematology Laboratory (SBMNL), ARS, Beltsville, Maryland. Their efforts are appreciated. The most current names for the organisms, according to these specialists as of February 1988, have been used in this publication. As indicated by the three examples of individual computer Release Reports, the name under which the organism was originally imported or released is retained in the ROBO database, and searches can be made using both original and current names. The higher classification system for arthropods is that used by SEL scientists. The system used for plants in section II is that of Cronquist (1981).

The scientific name in this publication for the plant in the United States known as Russian thistle, *Salsola australis* R. Br.(=*S. iberica*, *S. pestifer*, or *S. kali* of authors), is in accordance with the opinion of J.H. Kirkbride, SBMNL, in litt., based on Botschantzev (1974). The scientific name of the plant(s) known as musk or nodding thistle is a more difficult question. Used here are the names *Carduus nutans* subsp. *leiophyllus* (Petr.) Stoj. & Stef. (=*C. thoermeri* of authors) for populations in the Great Plains and most of the Eastern United States and *C. nutans* subsp. *macrocephalus* (Desf.) Nyman for populations in Montana, based on McCarty et al. (1984) and McGregor (1986). The name *C. nutans* without subspecific epithet is used when the proper subspecific name is doubtful. Though the scientific name *Euphorbia esula* Linnaeus is used in this publication for the weed(s) known as leafy spurge, it must be pointed out that the taxonomy of North American leafy spurge is still controversial among botanists, some of whom consider North

American populations to be a complex of species and hybrids (Radcliffe-Smith, 1985; Mahlberg et al., 1987; and Harvey et al., 1988).

Corrections and Updating

The ROBO database is a "living" database, capable of continual updating with new information. Therefore, readers are encouraged to notify the ARS Biological Control Documentation Center of (1) any errors found in this publication, (2) additional, currently missing information as indicated by question marks in this publication, and (3) any changes to scientific names as a result of the publication of descriptions of species recorded here as "sp.," or otherwise incomplete names, or as a result of new taxonomic studies. Comments can be addressed to the Center at Building 476, BARC-East, Beltsville, MD 20705.

Abbreviations Used

Type of Organisms

MI - microbial, PA - parasite, PO - pollinator, PR - predator, WE - weed feeder, OT - other

Developmental Stages of Organisms Released

A - adults; C - cocoons; E - eggs; J - juveniles (for nematodes); L - larvae; MU - mummies; N - nymphs; P - pupae, puparia; PHA, PHE, etc. - parasitized host adults, eggs, etc.

States and Territories

AK	Alaska	KS	Kansas	OH	Ohio
AL	Alabama	KY	Kentucky	OK	Oklahoma
AR	Arkansas	LA	Louisiana	OR	Oregon
AS	American Samoa	MA	Massachusetts	PA	Pennsylvania
AZ	Arizona	MD	Maryland	PR	Puerto Rico
CA	California	ME	Maine	PW	Palau
CO	Colorado	MH	Marshall Islands	RI	Rhode Island
CT	Connecticut	MI	Michigan	SC	South Carolina
CZ	Canal Zone	MN	Minnesota	SD	South Dakota
DC	District of Columbia	MO	Missouri	TN	Tennessee
DE	Delaware	MP	North Mariana Island	TX	Texas
FL	Florida	MS	Mississippi	UT	Utah
FM	Federated States of Micronesia	MT	Montana	VA	Virginia
		NC	North Carolina	VI	Virgin Islands (U.S)
GA	Georgia	ND	North Dakota		
GU	Guam	NE	Nebraska	VT	Vermont
HI	Hawaii	NH	New Hampshire	WA	Washington
IA	Iowa	NJ	New Jersey	WI	Wisconsin
ID	Idaho	NM	New Mexico	WV	West Virginia
IL	Illinois	NV	Nevada	WY	Wyoming
IN	Indiana	NY	New York		

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Botschantzev, V. 1974. A synopsis of Salsola (Chenopodiaceae) from South and South-West Africa. Kew Bull. 29(3):597-614.

Bottrell, D.G., C.B. Huffaker, and R.F. Smith. 1976. Information systems for alternate methods of pest control. UC/AID Pest Management and Related Environmental Protection Project Report. 42 pp. Univ. California, Berkeley.

Clausen, C.P., ed. 1978. Introduced parasites and predators of arthropod pests and weeds: A world review. U.S. Dept. Agr., Agr. Handb. 480, 545 pp.

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Greathead, D.J. 1986. Parasitoids in classical biological control. In Waage, J., and D. Greathead, eds., Insect parasitoids, pp. 289-318. Academic Press, London.

Harvey, S., R. Nowierski, P. Mahlberg, and J. Story. 1988. Taxonomic evaluation of leaf and latex variability of leafy spurge (Euphorbia spp.) for Montana and European accessions. Jour. Weed Sci. [In press.]

McCarty, M.K., C.J. Scifres, and L.R. Robison. 1984. A descriptive guide for major Nebraska thistles. Nebr. Agr. Expt. Sta. SB 493 (1984 rev.), 27 pp.

McGregor, R.L. 1986. 23. Carduus L., plumeless thistles. In McGregor, R L., T.M. Barkley, R.E. Brooks, and E.K. Schofield, Flora of the Great Plains, pp. 895-897. Univ. Press Kansas, Lawrence.

Mahlberg, P.G., D.G. Davis, D.S. Galitz, and G.D. Manners. 1987. Lactifers and the classification of Euphorbia: The chemotaxonomy of Euphorbia esula L. Bot. Jour. Linn. Soc. 94:165-180.

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Radcliffe-Smith, A. 1985. Taxonomy of North American leafy spurge. In Watson, A.K., ed., Leafy spurge, pp. 14-25. Weed Sci. Soc. Amer. Monogr. Ser. 3.

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U.S. Department of Agriculture. 1978. Biological agents for pest control: Status and prospects. 138 pp. Washington, DC.

ANNUAL REPORT OF INTRODUCED BENEFICIAL ORGANISMS RELEASED IN THE UNITED STATES AND TERRITORIES - 1981

SECTION I - INTRODUCED PARASITES AND PREDATORS RELEASED IN U.S. AND TERRITORIES - 1981

PART A - Arranged Alphabetically by Genus-species of Released Organism, State, County

Species Released Genus Species, Subspecies Author Order, Family	Origin Country or State Facilities Collector Acronym/ Initials	Released - State, County Total, Stage No. of Sites Month /SEE NOTES	File Number Releaser Acronym, Name * = Specimens Kept	Target Host/Prey (at time of release) Genus Species, Subspecies Author, Common Name
Aganaspis daci (Weld) Hymenoptera Eucoilidae	France BIRL	FL Dade 3000e A 2 Jun	UFH-RMB-81-0006 UFH Swanson, R W	Anastrepha suspensa (Loew) Caribbean fruit fly
Agrypon flaveolatum (Gravenhorst) Hymenoptera Ichneumonidae	Canada CDARPS CFSTNS/	OR Clackamas 36 A 1 Apr	BIRL-81-0025 ORDA Penrose, R L	Operophtera brumata (Linnaeus) winter moth
	Canada CDARPS CFSTNS/	OR Clackamas 20e A 1 Apr	BIRL-81-0030 ORDA Penrose, R L	SAME
	Canada CDARPS CFSTNS/	OR Linn 24 A 1 Apr	BIRL-81-0039 ORSU Miller, J C	Operophtera occidentalis (Hulst)
Aleurodiphilus pergandiellus (Howard) Hymenoptera Aphelinidae	? UCR/MJR	DE New Castle 204 A 1 May to Jun NOTE: 121	BIRL-81-0179 BIRL Hendrickson, R M	Trialeurodes vaporariorum (Westwood) greenhouse whitefly
Amblyseius colimensis Aponte Parasitiformes Phytoseiidae	Mexico UCR	CA Los Angeles 400e A,N 1 Mar	UCR-JAM-81-0002 UCR Johnson, H G	Panonychus citri McGregor citrus red mite
	Mexico UCR	CA San Diego 900e A,N 1 Apr	UCR-JAM-81-0013 UCR Johnson, H G	SAME

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PART A - Arranged Alphabetically by Genus-species of Released Organism, State, County

Species Released Genus Species, Subspecies Author Order, Family	Origin Country or State Facilities Collector Acronym/ Initials	Released - State, County Total, Stage No. of Sites Month /SEE NOTES	File Number Releaser Acronym, Name * = Specimens Kept	Target Host/Prey (at time of release) Genus Species, Subspecies Author, Common Name
Amblyseius herbicolus Chant Parasitiformes Phytoseiidae	Australia UCR	CA Riverside 2000e A,N 1 May	UCR-JAM-81-0025 UCR Johnson, H G	Panonychus citri McGregor citrus red mite
Ametadoria misella (Wulp) Diptera Tachinidae	CA, San Diego CABCSP/BV	CA Fresno 2868 A 8 May to Sep	CABCSP-CDH-81-0005-3 CABCSP Villegas, B	Harrisina brillians Barnes & McDunnough western grapeleaf skeletonizer
	CA, San Diego CABCSP/BV	CA Kings 811 A 5 Jun to Aug	CABCSP-CDH-81-0005-2 CABCSP Villegas, B	SAME
	CA, San Diego CABCSP/BV	CA Madera 5 A 1 Sep	CABCSP-CDH-81-0005-4 CABCSP Villegas, B	SAME
	CA, San Diego CABCSP/BV	CA Tulare 8168 A 6 May to Sep	CABCSP-CDH-81-0005-1 CABCSP Villegas, B	SAME
Amitus ?spiniferus (Brèthes) Hymenoptera Platygastridae	Mexico UCR	CA San Diego 150 A 1 Jul	UCR-PD-81-0006 UCR Rose, M J	Aleurothrixus floccosus (Maskell) woolly whitefly
	Mexico UCR	CA Ventura 400e A 1 Aug	UCR-PD-81-0010 UCR Rose, M J	SAME
	USA CA HDA/RMB	HI Honolulu 30 A 3 Oct	HDA-81-0021 HDA Kumashiro, B R	SAME

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PART A - Arranged Alphabetically by Genus-species of Released Organism, State, County

Species Released Genus Species, Subspecies Author Order, Family	Origin Country or State Facilities Collector Acronym/ Initials	Released - State, County Total, Stage No. of Sites Month /SEE NOTES	File Number Releaser Acronym, Name * = Specimens Kept	Target Host/Prey (at time of release) Genus Species, Subspecies Author, Common Name
Amitus hesperidum Silvestri Hymenoptera Platygastridae	Mexico PPQMMX	FL ? 1	FLDPIFL-CP-81-0001 FLDPIFL Grandberry, W	Aleurocanthus woglumi Ashby citrus blackfly
Anaphes flavipes (Förster) Hymenoptera Mymaridae	NJ KY MI PPQ/	NC Chatham 2400e PHE,A 1 Apr NOTE: 030	PPQNMI-TLB-81-0018 NCDA Galloway, R H	Oulema melanopus (Linnaeus) cereal leaf beetle
	NJ KY MI PPQ/	NC Chatham 2400e PHE,A 1 Apr NOTE: 030	PPQNMI-TLB-81-0112 NCDA Galloway, R H	SAME
	NJ KY MI PPQ/	NC Person 2400e PHE,A 1 Apr NOTE: 030	PPQNMI-TLB-81-0020 NCDA Galloway, R H	SAME
	NJ KY MI PPQ/	NC Person 2400e A 1 May NOTE: 030	PPQNMI-TLB-81-0111 NCDA Galloway, R H Lehrer, C A	SAME
	NJ KY MI PPQ/	NC Rockingham 2400e PHE,A 1 May NOTE: 030	PPQNMI-TLB-81-0017 NCDA Galloway, R H	SAME
	NJ KY MI PPQ/	NC Rockingham 2400e A 1 May NOTE: 030	PPQNMI-TLB-81-0108 NCDA Galloway, R H	SAME

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Anaphes flavipes (Förster) Hymenoptera Mymaridae	NJ KY MI PPQ/	NC Stokes 2400e A 1 May NOTE: 030	PPQNMI-TLB-81-0109 NCDA Galloway, R H	Oulema melanopus (Linnaeus) cereal leaf beetle
	NJ KY MI PPQ/	NC Stokes 2400e A 1 May NOTE: 030	PPQNMI-TLB-81-0110 NCDA Galloway, R H	SAME
	NJ KY MI PPQ/	NC Stokes 2400e A 1 May NOTE: 030	PPQNMI-TLB-81-0113 NCDA Galloway, R H	SAME
	NJ KY MI PPQ/	NC Vance 2400e PHE,A 1 Apr NOTE: 030	PPQNMI-TLB-81-0019 NCDA Galloway, R H	SAME
	NJ KY MI PPQ/	NC Vance 2400e PHE,A 1 Apr NOTE: 030	PPQNMI-TLB-81-0021 NCDA NCSUEXT Galloway, R H Bowden, M M	SAME
	NJ KY MI PPQ/	NC Warren 2400e PHE,A 1 Apr NOTE: 030	PPQNMI-TLB-81-0022 NCDA Galloway, R H	SAME
	NJ KY MI PPQ/	WI Dane 2400e PHE,A 1 Jun NOTE: 030	PPQNMI-TLB-81-0621 WIDATCP Nara, J M	SAME

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Anaphes flavipes (Förster) Hymenoptera Mymaridae	NJ KY MI PPQ/	WI Dane 4800e PHE,A Jun NOTE: 030	1	PPQNMI-TLB-81-0622 WIDATCP Nara, J M	Oulema melanopus (Linnaeus) cereal leaf beetle
	NJ KY MI PPQ/	WI Dane 2400e PHE,A Jun NOTE: 030	1	PPQNMI-TLB-81-0624 WIDATCP Nara, J M	SAME
	NJ KY MI PPQ/	WI Jefferson 2400e PHE,A Jun NOTE: 030	1	PPQNMI-TLB-81-0628 WIDATCP Nara, J M	SAME
	NJ KY MI PPQ/	WI Jefferson 4800e PHE,A Jun NOTE: 030	1	PPQNMI-TLB-81-0629 WIDATCP Nara, J M	SAME
	NJ KY MI PPQ/	WI Rock 2400e PHE,A Jun NOTE: 030	1	PPQNMI-TLB-81-0625 WIDATCP Nara, J M	SAME
	NJ KY MI PPQ/	WI Rock 4800e PHE,A Jun NOTE: 030	1	PPQNMI-TLB-81-0626 WIDATCP Nara, J M	SAME
	NJ KY MI PPQ/	WI Walworth 2400e PHE,A Jun NOTE: 030	1	PPQNMI-TLB-81-0631 WIDATCP Winston, K E	SAME

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Anaphes flavipes (Förster) Hymenoptera Mymaridae	NJ KY MI PPQ/	WI Walworth 4800e PHE,A 1 Jun NOTE: 030	PPQNMI-TLB-81-0632 WIDATCP Winston, K E	Oulema melanopus (Linnaeus) cereal leaf beetle
	NJ KY MI PPQ/	WI Washington 2400e PHE,A 1 Jun NOTE: 030	PPQNMI-TLB-81-0634 WIDATCP Saad, S M	SAME
	NJ KY MI PPQ/	WI Washington 4800e PHE,A 1 Jun NOTE: 030	PPQNMI-TLB-81-0635 WIDATCP Saad, S M	SAME
Anastatus disparis Ruschka Hymenoptera Eupelmidae	USA, CT BIRL	NJ Morris 206 A,PHE 1 Aug	NJDA-RJC-81-0013 NJDA Mina, P J	Lymantria dispar (Linnaeus) gypsy moth
Anthribus nebulosus Förster Coleoptera Anthribidae	Hungary VPI VPI/MK HURIPP/FK	VA Virginia Beach 300e A 1 Sep	VPI-81-0025 VATORSVB Schultz, P B Banko, T J	Parthenolecanium quercifex (Fitch) oak lecanium
Apanteles scutellaris Muesebeck Hymenoptera Braconidae	USA CA HDA HDA/RMB	HI Honolulu 329 A 1 Oct	HDA-BRK-81-0021 HDA Kumashiro, B R	Keiferia lycopersicella (Walsingham) tomato pinworm
	USA CA HDA HDA/RMB	HI Maui 45 A 1 Nov	HDA-BRK-81-0022 HDAM Miyahira, N	SAME

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Aphidius ervi Haliday Hymenoptera Aphidiidae	USSR UCR	CA Colusa 2750e A ? Apr to Jun	UCB-KSH-81-0015 UCB Hagen, K S	Acyrthosiphon kondoi Shinji blue alfalfa aphid
	USSR UCR	CA Colusa 2180 A ? Jul to Aug	UCB-KSH-81-0038 UCB Hagen, K S	SAME
	Iran UCR	CA Fresno 32000e A ? Feb to May	UCB-KSH-81-0005 UCB Hagen, K S	SAME
	USSR UCR	CA Fresno 46800e A ? May to Jun	UCB-KSH-81-0024 UCB Hagen, K S	SAME
	USSR UCR	CA Fresno 71000e A ? Jul to Aug	UCB-KSH-81-0039 UCB Hagen, K S	SAME
	Iran UCR	CA Fresno 27200e A ? Jul to Dec	UCB-KSH-81-0040 UCB Hagen, K S	SAME
	Japan UCR	CA Kings 44900e A ? Feb to May	UCB-KSH-81-0006 UCB Hagen, K S	SAME
	Japan UCR	CA Kings 13750e A ? Aug to Dec	UCB-KSH-81-0056 UCB Hagen, K S	SAME
	Japan UCR	CA Modoc 500e A ? Jun	UCB-KSH-81-0032 UCB Hagen, K S	SAME

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Aphidius ervi Haliday Hymenoptera Aphididae	Japan UCR	CA Modoc 1650e A Jul to Aug	?	UCB-KSH-81-0041 UCB Hagen, K S	Acyrthosiphon kondoi Shinji blue alfalfa aphid
	USSR UCR	CA Monterey 4240e A Jan to May	?	UCB-KSH-81-0001 UCB Hagen, K S	SAME
	USSR UCR	CA Monterey 2380e A Aug to Oct	?	UCB-KSH-81-0057 UCB Hagen, K S	SAME
	Afghanistan UCR	CA Riverside 600e A Apr	1	UCR-DG-81-0004-1 UCR Gonzalez, D	SAME Acyrthosiphon pisum (Harris) pea aphid
	Japan UCR	CA Riverside 1200e A Apr	1	UCR-DG-81-0005-1 UCR Gonzalez, D	Acyrthosiphon kondoi Shinji blue alfalfa aphid Acyrthosiphon pisum (Harris) pea aphid
	Greece UCR	CA Riverside 500e A Apr	1	UCR-DG-81-0006-1 UCR Gonzalez, D	Acyrthosiphon kondoi Shinji blue alfalfa aphid Acyrthosiphon pisum (Harris) pea aphid

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Aphidius ervi Haliday Hymenoptera Aphidiidae	Afghanistan UCR	CA Riverside 800e A 1 May	UCR-DG-81-0004-2 UCR Gonzalez, D	Acyrthosiphon kondoi Shinji blue alfalfa aphid Acyrthosiphon pisum (Harris) pea aphid
	Japan UCR	CA Riverside 1500e A 1 May	UCR-DG-81-0005-2 UCR Gonzalez, D	Acyrthosiphon kondoi Shinji blue alfalfa aphid Acyrthosiphon pisum (Harris) pea aphid
	Greece UCR	CA Riverside 800e A 1 May	UCR-DG-81-0006-2 UCR Gonzalez, D	Acyrthosiphon kondoi Shinji blue alfalfa aphid Acyrthosiphon pisum (Harris) pea aphid
	Afghanistan UCR	CA San Diego 900e A 1 Mar	UCR-DG-81-0001-1 UCR Gonzalez, D	SAME Acyrthosiphon kondoi Shinji blue alfalfa aphid
	Japan UCR	CA San Diego 1400e A 1 Mar	UCR-DG-81-0002-1 UCR Gonzalez, D	SAME Acyrthosiphon pisum (Harris) pea aphid

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Aphidius ervi Haliday Hymenoptera Aphidiidae	Greece UCR	CA San Diego 600e A 1 Mar	UCR-DG-81-0003-1 UCR Gonzalez, D	Acyrthosiphon kondoi Shinji blue alfalfa aphid Acyrthosiphon pisum (Harris) pea aphid
	Afghanistan UCR	CA San Diego 1700e A 1 Apr	UCR-DG-81-0001-2 UCR Gonzalez, D	SAME Acyrthosiphon kondoi Shinji blue alfalfa aphid
	Japan UCR	CA San Diego 2300e A 1 Apr	UCR-DG-81-0002-2 UCR Gonzalez, D	SAME Acyrthosiphon pisum (Harris) pea aphid
	Greece UCR	CA San Diego 900e A 1 Apr	UCR-DG-81-0003-2 UCR Gonzalez, D	Acyrthosiphon kondoi Shinji blue alfalfa aphid Acyrthosiphon pisum (Harris) pea aphid
	Afghanistan UCR	CA San Diego 800e A 1 May	UCR-DG-81-0001-3 UCR Gonzalez, D	SAME Acyrthosiphon kondoi Shinji blue alfalfa aphid

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Aphidius ervi Haliday Hymenoptera Aphidiidae	Japan UCR	CA San Diego 1400e A May	1	UCR-DG-81-0002-3 UCR Gonzalez, D	Acyrthosiphon kondoi Shinji blue alfalfa aphid Acyrthosiphon pisum (Harris) pea aphid
	Greece UCR	CA San Diego 600e A May	1	UCR-DG-81-0003-3 UCR Gonzalez, D	Acyrthosiphon kondoi Shinji blue alfalfa aphid Acyrthosiphon pisum (Harris) pea aphid
	Morocco UCR	CA San Joaquin 5850e A Feb to Jun	?	UCB-KSH-81-0007 UCB Hagen, K S	Acyrthosiphon kondoi Shinji blue alfalfa aphid
	USSR UCR	CA San Joaquin 5560e A Mar to Jun	?	UCB-KSH-81-0012 UCB Hagen, K S	SAME
	USSR UCR	CA San Joaquin 5900e A Jul to Dec	?	UCB-KSH-81-0042 UCB Hagen, K S	SAME
	Morocco UCR	CA San Joaquin 6280e A Jul to Dec	?	UCB-KSH-81-0043 UCB Hagen, K S	SAME
	Japan UCR	CA Siskiyou 450e A Jun	?	UCB-KSH-81-0033 UCB Hagen, K S	SAME

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Aphidius ervi Haliday Hymenoptera Aphidiidae	Morocco UCR	CA Tulare 64450e A Feb to Jun	?	UCB-KSH-81-0008 UCB Hagen, K S	Acyrthosiphon kondoi Shinji blue alfalfa aphid
	Japan UCR	CA Tulare 2500e A Jun	?	UCB-KSH-81-0034 UCB Hagen, K S	SAME
	Morocco UCR	CA Tulare 33550e A Jul to Dec	?	UCB-KSH-81-0044 UCB Hagen, K S	SAME
	Japan UCR	CA Tulare 12100e A Jul to Dec	?	UCB-KSH-81-0045 UCB Hagen, K S	SAME
	Iran UCR	CA Yolo 1970e A Jul to Nov	?	UCB-KSH-81-0046 UCB Hagen, K S	SAME
Aphidius matricariae Haliday Hymenoptera Aphidiidae	Chile CIINIALC	OK Payne 200e A Apr	1	BIRL-81-0022 OKSU Need, J	Schizaphis graminum (Rondani) greenbug
	Chile CIINIALC	TX Brazos 418 A Apr	1	BIRL-81-0024 TAMU Kring, T J Gilstrap, F E	SAME
Aphytis melinus DeBach Hymenoptera Aphelinidae	? ?	CA Ventura 20000e L,P Feb	3	UCR-RFL-81-0003 UCR Luck, R F	Aonidiella aurantii (Maskell) California red scale

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Aphytis sp. Hymenoptera Aphelinidae	China (PRC) UCR UCR/PD	CA Imperial 1050e A May	2	UCR-RFL-81-0015 UCR Luck, R F	Aonidiella aurantii (Maskell) California red scale
	China (PRC) UCR	CA Imperial 100e A Jun	1	UCR-RFL-81-0022 UCR Luck, R F	SAME
	China (PRC) UCR UCR/PD	CA Imperial 400e A Aug	1	UCR-RFL-81-0047-1 UCR Luck, R F	SAME
	China (PRC) UCR	CA Imperial 100e A Aug	1	UCR-RFL-81-0048 UCR Luck, R F	SAME
	China (PRC) UCR UCR/PD	CA Imperial 400e A Sep	2	UCR-RFL-81-0047 UCR Luck, R F	SAME
	China (PRC) UCR	CA Orange 360e A Apr	2	UCR-RFL-81-0007 UCR Luck, R F	SAME
	China (PRC) UCR UCR/PD	CA Orange 200e A Jul	1	UCR-RFL-81-0029-1 UCR Luck, R F	SAME
	China (PRC) UCR	CA Orange 300e A Jul	1	UCR-RFL-81-0030-1 UCR Luck, R F	SAME
	China (PRC) UCR UCR/PD	CA Orange 200e A Sep	1	UCR-RFL-81-0029-2 UCR Luck, R F	SAME

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Aphytis sp. Hymenoptera Aphelinidae	China (PRC) UCR	CA Orange 100e A 1 Sep	UCR-RFL-81-0030-2 UCR Luck, R F	Aonidiella aurantii (Maskell) California red scale
	China (PRC) UCR UCR/PD	CA Orange 250e A 1 Oct	UCR-RFL-81-0029-3 UCR Luck, R F	SAME
	China (PRC) UCR	CA Riverside 225e A 3 Feb	UCR-RFL-81-0001 UCR Luck, R F	SAME
	China (PRC) UCR UCR/PD	CA Riverside 75e A 1 Apr	UCR-RFL-81-0009-1 UCR Luck, R F	SAME
	China (PRC) UCR UCR/PD	CA Riverside 100e A 1 Apr	UCR-RFL-81-0010-1 UCR Luck, R F	SAME
	China (PRC) UCR	CA Riverside 100e A 1 May	UCR-RFL-81-0001-4 UCR Luck, R F	SAME
	China (PRC) UCR UCR/PD	CA Riverside 100e A 1 May	UCR-RFL-81-0009-2 UCR Luck, R F	SAME
	China (PRC) UCR UCR/PD	CA Riverside 200e A 1 May	UCR-RFL-81-0010-2 UCR Luck, R F	SAME
	China (PRC) UCR	CA Riverside 150e A 1 Jun	UCR-RFL-81-0001-5 UCR Luck, R F	SAME

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Aphytis sp. Hymenoptera Aphelinidae	China (PRC) UCR UCR/PD	CA Riverside 200e A Jun	1	UCR-RFL-81-0010-3 UCR Luck, R F	Aonidiella aurantii (Maskell) California red scale
	China (PRC) UCR UCR/PD	CA Riverside 150e A Jul	1	UCR-RFL-81-0039-1 UCR Luck, R F	SAME
	China (PRC) UCR	CA Riverside 200e A Jul	1	UCR-RFL-81-0040-1 UCR Luck, R F	SAME
	China (PRC) UCR UCR/PD	CA Riverside 200e A Aug	1	UCR-RFL-81-0039-2 UCR Luck, R F	SAME
	China (PRC) UCR	CA Riverside 200e A Aug	1	UCR-RFL-81-0040-2 UCR Luck, R F	SAME
	China (PRC) UCR UCR/PD	CA Riverside 300e A Sep	2	UCR-RFL-81-0039 UCR Luck, R F	SAME
	China (PRC) UCR	CA Tulare 100e A Apr	1	UCR-RFL-81-0011-1 UCR Luck, R F	SAME
	China (PRC) UCR UCR/PD	CA Tulare 75e A Apr	1	UCR-RFL-81-0012-1 UCR Luck, R F	SAME
	China (PRC) UCR	CA Tulare 225e A Jun	1	UCR-RFL-81-0011-2 UCR Luck, R F	SAME

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Aphytis sp. Hymenoptera Aphelinidae	China (PRC) UCR UCR/PD	CA Tulare 355e A Jun	2	UCR-RFL-81-0012 UCR Luck, R F	Aonidiella aurantii (Maskell) California red scale
	China (PRC) UCR UCR/PD	CA Tulare 600e A Aug	2	UCR-RFL-81-0053 UCR Luck, R F	SAME
	China (PRC) UCR	CA Ventura 50e A Mar	1	UCR-RFL-81-0004-1 UCR Luck, R F	SAME
	China (PRC) UCR UCR/PD	CA Ventura 75e A Mar	1	UCR-RFL-81-0005-1 UCR Luck, R F	SAME
	China (PRC) UCR	CA Ventura 75e A Apr	1	UCR-RFL-81-0004-2 UCR Luck, R F	SAME
	China (PRC) UCR UCR/PD	CA Ventura 50e A Apr	1	UCR-RFL-81-0005-2 UCR Luck, R F	SAME
	China (PRC) UCR	CA Ventura 100e A Jun	1	UCR-RFL-81-0004-3 UCR Luck, R F	SAME
	China (PRC) UCR UCR/PD	CA Ventura 150e A Jun	1	UCR-RFL-81-0005-3 UCR Luck, R F	SAME
	China (PRC) UCR UCR/PD	CA Ventura 300e A Jul	1	UCR-RFL-81-0034-1 UCR Luck, R F	SAME

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Aphytis sp. Hymenoptera Aphelinidae	China (PRC) UCR	CA Ventura 300e A 1 Jul	UCR-RFL-81-0035-1 UCR Luck, R F	Aonidiella aurantii (Maskell) California red scale
	China (PRC) UCR UCR/PD	CA Ventura 200e A 1 Aug	UCR-RFL-81-0034-2 UCR Luck, R F	SAME
	China (PRC) UCR	CA Ventura 200e A 1 Aug	UCR-RFL-81-0035-2 UCR Luck, R F	SAME
	China (PRC) UCR UCR/PD	CA Ventura 200e A 1 Sep	UCR-RFL-81-0034-3 UCR Luck, R F	SAME
	China (PRC) UCR	CA Ventura 200e A 1 Sep	UCR-RFL-81-0035-3 UCR Luck, R F	SAME
	China (PRC) UCR UCR/PD	CA Ventura 100e A 1 Oct	UCR-RFL-81-0034-4 UCR Luck, R F	SAME
	China (PRC) UCR	CA Ventura 150e A 1 Oct	UCR-RFL-81-0035-4 UCR Luck, R F	SAME
Aspidiotiphagus sp. Hymenoptera Aphelinidae	China (PRC) UCR	CA Imperial 85 A 2 May	UCR-RFL-81-0014 UCR Luck, R F	SAME

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PART A - Arranged Alphabetically by Genus-species of Released Organism, State, County

Species Released Genus Species, Subspecies Author Order, Family	Origin Country or State Facilities Collector Acronym/ Initials	Released - State, County Total, Stage No. of Sites Month /SEE NOTES	File Number Releaser Acronym, Name * = Specimens Kept	Target Host/Prey (at time of release) Genus Species, Subspecies Author, Common Name
Aspidiotiphagus sp. Hymenoptera Aphelinidae	China (PRC) UCR	CA Imperial 125 A 3 Aug	UCR-RFL-81-0052 UCR Luck, R F	Aonidiella aurantii (Maskell) California red scale
	China (PRC) UCR	CA Orange 5 A 1 May	UCR-RFL-81-0017 UCR Luck, R F	SAME
	China (PRC) UCR	CA Orange 135 A 3 Jul	UCR-RFL-81-0028 UCR Luck, R F	SAME
	China (PRC) UCR	CA Riverside 12 A 1 Jun	UCR-RFL-81-0024 UCR Luck, R F	SAME
	China (PRC) UCR	CA Riverside 60 A 3 Jul	UCR-RFL-81-0043 UCR Luck, R F	SAME
	China (PRC) UCR	CA Tulare 50 A 1 Jun	UCR-RFL-81-0021 UCR Luck, R F	SAME
	China (PRC) UCR	CA Tulare 25 A 1 Aug	UCR-RFL-81-0056 UCR Luck, R F	SAME
	China (PRC) UCR	CA Ventura 85 A 3 Jul	UCR-RFL-81-0046 UCR Luck, R F	SAME
Atholus maindronii (Lewis) Coleoptera Histeridae	Pakistan UCR CIBCPS/RKS	CA Riverside 10 A 1 Dec	UCR-EFL-81-0024 UCR Legner, E F Warkentin, R W	Haematobia irritans (Linnaeus) horn fly

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Atholus maindronii (Lewis) Coleoptera Histeridae	Pakistan UCR CIBCPS/RKS	CA Tulare 6 A 1 Nov	UCR-EFL-81-0022 UCR Legner, E F Warkentin, R W	Haematobia irritans (Linnaeus) horn fly
Bathyplectes anurus (Thomson) Hymenoptera Ichneumonidae	WV PPQ/	NOTE: 051 ? A ? NOTE: 051	BIRL-RJD-80-0123	Hypera postica (Gyllenhal) alfalfa weevil
	PA, Lancaster PA, Lehigh PPQ/	NOTE: 051 ? A ? NOTE: 051	BIRL-RJD-80-0124	SAME
	NJ, Hunterdon NJ, Sussex PPQ/	NOTE: 051 ? A ? NOTE: 051	BIRL-RJD-80-0125	SAME
	Iran UCB	CA Alameda 12 A 1 Mar	UCB-KSH-81-0013 UCB Hagen, K S	Hypera brunnipennis (Boheman) Egyptian alfalfa weevil
	Iran UCB	CA Colusa 15 A 1 Apr	UCB-KSH-81-0022 UCB Hagen, K S	SAME
	Iran UCB	CA Fresno 58 A 1 Mar	UCB-KSH-81-0014 UCB Hagen, K S	SAME
	Iran UCB	CA Lassen 5 A 1 Jul	UCB-KSH-81-0047 UCB Hagen, K S	Hypera postica (Gyllenhal) alfalfa weevil

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Bathyplectes anurus (Thomson) Hymenoptera Ichneumonidae	IN, Harrison PPQNEV/JC, WPH	IA Cass 20400e PHL 1 May	PPQNMI-TLB-81-1423 PPQSCIV Wallerich, G E	Hypera postica (Gyllenhal) alfalfa weevil
	IN, Harrison PPQNEV/JC, WPH	IA Cass 20400e PHL 1 May	PPQNMI-TLB-81-1429 PPQSCIV Wallerich, G E	SAME
	IN KY MI BIRL PPQ/	IA Clayton 800e A 1 May NOTE: 032	PPQNMI-TLB-81-0381 PPQSCIV Larson, R A	SAME
	WV PA NJ BIRL PPQ/	IA Clayton 200e A 1 May NOTE: 033	PPQNMI-TLB-81-0568 PPQSCIV Larson, R A	SAME
	IN, Harrison PPQNEV/JC, WPH	IA Clayton 68000e PHL 1 May	PPQNMI-TLB-81-1379 PPQSCIV Larson, R A	SAME
	IN, Harrison PPQNEV/JC, WPH	IA Clayton 122400e PHL 1 May	PPQNMI-TLB-81-1581 PPQSCIV Larson, R A	SAME
	WV PA NJ BIRL PPQ/	IA Clayton 392e A 1 Jun NOTE: 033	PPQNMI-TLB-81-0611 PPQSCIV Larson, R A	SAME

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Bathyplectes anurus (Thomson) Hymenoptera Ichneumonidae	IN KY MI BIRL PPQ/	IA Davis 1180e A Apr NOTE: 032	1	PPQNMI-TLB-81-0188 PPQSCIV Wallerich, G E	Hypera postica (Gyllenhal) alfalfa weevil
	KY, Oldham PPQSEIII/LMC, VJ	IA Davis 48600e PHL Apr	1	PPQNMI-TLB-81-1001 PPQSCIV Wallerich, G E	SAME
	KY, Oldham PPQSEIII/LMC, VJ	IA Davis 24000e PHL Apr	1	PPQNMI-TLB-81-1215 PPQSCIV Wallerich, G E	SAME
	IN KY MI BIRL PPQ/	IA Davis 280e A May NOTE: 032	1	PPQNMI-TLB-81-0297 IADA Carlson, C E	SAME
	IN, Harrison PPQNEV/JC, WPH	IA Floyd 12000e PHL May	1	PPQNMI-TLB-81-1788 IADA Campbell, J W	SAME
	IN, Harrison PPQNEV/JC, WPH	IA Jones 12000e PHL May	1	PPQNMI-TLB-81-1778 PPQSCIV Larson, R A	SAME
	IN, Harrison PPQNEV/JC, WPH	IA Jones 12000e PHL May	1	PPQNMI-TLB-81-1783 PPQSCIV Larson, R A	SAME
	IN, Harrison PPQNEV/JC, WPH	IA Louisa 20400e PHL May	1	PPQNMI-TLB-81-1447 IASUEXT Buske, M	SAME

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Bathyplectes anurus (Thomson) Hymenoptera Ichneumonidae	IN, Harrison PPQNEV/JC, WPH	IA Louisa 20400e PHL May	1	PPQNMI-TLB-81-1453 IASUEXT Buske, M	Hypera postica (Gyllenhal) alfalfa weevil
	IN, Harrison PPQNEV/JC, WPH	IA Madison 20400e PHL May	1	PPQNMI-TLB-81-1411 PPQSCIV Wallerich, G E	SAME
	IN, Harrison PPQNEV/JC, WPH	IA Madison 20400e PHL May	1	PPQNMI-TLB-81-1417 PPQSCIV Wallerich, G E	SAME
	IN, Harrison PPQNEV/JC, WPH	IA Mahaska 20400e PHL May	1	PPQNMI-TLB-81-1435 IADA Stoltenow, C R	SAME
	IN, Harrison PPQNEV/JC, WPH	IA Mahaska 20400e PHL May	1	PPQNMI-TLB-81-1441 IADA Stoltenow, C R	SAME
	MI, Berrien PPQNMI/TLB, MCH	IA Sac 2600e PHL May	1	PPQNMI-TLB-81-1868 PPQSCIV Wallerich, G E	SAME
	MI, Berrien PPQNMI/TLB, MCH	IA Sac 2600e PHL May	1	PPQNMI-TLB-81-1870 PPQSCIV Wallerich, G E	SAME
	IN, Harrison PPQNEV/JC, WPH	IA Story 12000e PHL May	1	PPQNMI-TLB-81-1793 PPQSCIV Wallerich, G E	SAME
	IN, Harrison PPQNEV/JC, WPH	IA Story 12000e PHL May	1	PPQNMI-TLB-81-1798 PPQSCIV Wallerich, G E	SAME

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Bathyplectes anurus (Thomson) Hymenoptera Ichneumonidae	IN, Harrison PPQNEV/JC, WPH	IA Tama 20400e PHL 1 May	PPQNMI-TLB-81-1399 PPQSCIV Larson, R A	Hypera postica (Gyllenhal) alfalfa weevil
	IN, Harrison PPQNEV/JC, WPH	IA Tama 20400e PHL 1 May	PPQNMI-TLB-81-1405 PPQSCIV Larson, R A	SAME
	IN, Harrison PPQNEV/JC, WPH	IL Carroll 13600e PHL 1 May	PPQNMI-TLB-81-1529 PPQNEV Lovejoy, R D	SAME
	IN, Harrison PPQNEV/JC, WPH	IL Carroll 13600e PHL 1 May	PPQNMI-TLB-81-1533 PPQNEV Lovejoy, R D	SAME
	IN, Harrison PPQNEV/JC, WPH	IL DeKalb 13600e PHL 1 May	PPQNMI-TLB-81-1537 PPQNEV Howe, B S	SAME
	IN, Harrison PPQNEV/JC, WPH	IL DeKalb 13600e PHL 1 May	PPQNMI-TLB-81-1541 PPQNEV Howe, B S	SAME
	KY, Oldham PPQSEIII/LMC, VJ	IL Edwards 18900e PHL 1 Apr	PPQNMI-TLB-81-1143 PPQNEV Carroll, J	SAME
	KY, Oldham PPQSEIII/LMC, VJ	IL Edwards 18900e PHL 1 Apr	PPQNMI-TLB-81-1150 PPQNEV Carroll, J	SAME
	KY, Oldham PPQSEIII/LMC, VJ	IL Edwards 11200e PHL 1 Apr	PPQNMI-TLB-81-1186 PPQNEV Bradley, R	SAME

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Bathyplectes anurus (Thomson) Hymenoptera Ichneumonidae	KY, Oldham PPQSEIII/LMC, VJ	IL Edwards 11200e PHL 1 Apr	PPQNMI-TLB-81-1193 PPQNEV Bradley, R	Hypera postica (Gyllenhal) alfalfa weevil
	IN, Harrison PPQNEV/JC, WPH	IL Greene 13600e PHL 1 May	PPQNMI-TLB-81-1465 PPQNEV Bradley, R	SAME
	IN, Harrison PPQNEV/JC, WPH	IL Greene 13600e PHL 1 May	PPQNMI-TLB-81-1469 PPQNEV Bradley, R	SAME
	IN, Harrison PPQNEV/JC, WPH	IL Hancock 13600e PHL 1 May	PPQNMI-TLB-81-1473 PPQNEV Stanford, G	SAME
	IN, Harrison PPQNEV/JC, WPH	IL Hancock 13600e PHL 1 May	PPQNMI-TLB-81-1477 PPQNEV Stanford, G	SAME
	IN, Harrison PPQNEV/JC, WPH	IL Kankakee 13600e PHL 1 May	PPQNMI-TLB-81-1521 PPQNEV Howe, B S	SAME
	IN, Harrison PPQNEV/JC, WPH	IL Kankakee 13600e PHL 1 May	PPQNMI-TLB-81-1525 PPQNEV Howe, B S	SAME
	IN, Harrison PPQNEV/JC, WPH	IL Knox 27200e PHL 1 May	PPQNMI-TLB-81-1505 PPQNEV Lovejoy, R D	SAME
	IN, Harrison PPQNEV/JC, WPH	IL LaSalle 13600e PHL 1 May	PPQNMI-TLB-81-1513 PPQNEV Howe, B S	SAME

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Bathyplectes anurus (Thomson) Hymenoptera Ichneumonidae	IN, Harrison PPQNEV/JC, WPH	IL Marshall 13600e PHL May	1	PPQNMI-TLB-81-1517 PPQNEV Howe, B S	Hypera postica (Gyllenhal) alfalfa weevil
	IN, Harrison PPQNEV/JC, WPH	IL Mason 27200e PHL May	2	PPQNMI-TLB-81-1481 PPQNEV Stanford, G	SAME
	KY, Oldham PPQSEIII/LMC, VJ	IL Pope 24300e PHL Apr	1	PPQNMI-TLB-81-1134 PPQNEV Carroll, J	SAME
	KY, Oldham PPQSEIII/LMC, VJ	IL Pope 24000e PHL Apr	1	PPQNMI-TLB-81-1200 PPQNEV Bradley, R	SAME
	IN KY MI BIRL PPQ/	IL Will 635 A May NOTE: 032	1	PPQNMI-TLB-81-0243 PPQNEV Felts, W L	SAME
	IN KY MI BIRL PPQ/	IL Will 335e A May NOTE: 032	1	PPQNMI-TLB-81-0314 PPQNEV Felts, W L	SAME
	IN, Harrison PPQNEV/JC, WPH	IL Will 54400e PHL May	1	PPQNMI-TLB-81-1489 PPQNEV Felts, W L	SAME
	IN, Harrison PPQNEV/JC, WPH	IN Boone 20400e PHL May	1	PPQNMI-TLB-81-1577 PPQNEV Felts, W L	SAME

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Bathyplectes anurus (Thomson) Hymenoptera Ichneumonidae	IN, Harrison PPQNEV/JC, WPH	IN Boone 20400e PHL 1 May	PPQNMI-TLB-81-1583 PPQNEV Felts, W L	Hypera postica (Gyllenhal) alfalfa weevil
	IN, Harrison PPQNEV/JC, WPH	IN Fulton 20400e PHL 1 May	PPQNMI-TLB-81-1565 PPQNEV Felts, W L	SAME
	IN, Harrison PPQNEV/JC, WPH	IN Fulton 20400e PHL 1 May	PPQNMI-TLB-81-1571 PPQNEV Felts, W L	SAME
	WV PA NJ BIRL PPQ/	IN LaPorte 732 A 1 May NOTE: 033	PPQNMI-TLB-81-0442 PPQNEV Felts, W L	SAME
	IN, Harrison PPQNEV/JC, WPH	IN LaPorte 38400e PHL 1 May	PPQNMI-TLB-81-1803 PPQNEV Felts, W L	SAME
	KY, Oldham PPQSEIII/LMC, VJ	IN Lawrence 40500e PHL 1 Apr	PPQNMI-TLB-81-1301 PPQNEV Sproat, B	SAME
	IN, Harrison PPQNEV/JC, WPH	IN Wells 20400e PHL 1 May	PPQNMI-TLB-81-1589 INDNR Bollinger, H R	SAME
	IN, Harrison PPQNEV/JC, WPH	IN Wells 20400e PHL 1 May	PPQNMI-TLB-81-1595 INDNR Bollinger, H R	SAME

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Bathyplectes anurus (Thomson) Hymenoptera Ichneumonidae	KY, Oldham PPQSEIII/LMC, VJ	KY Hart 8100e PHL May	1	PPQNMI-TLB-81-1316 PPQSEIII Conn, L M	Hypera postica (Gyllenhal) alfalfa weevil
	KY, Oldham PPQSEIII/LMC, VJ	KY Hart 5400e PHL May	1	PPQNMI-TLB-81-1319 PPQSEIII Conn, L M	SAME
	KY, Oldham PPQSEIII/LMC, VJ	KY Hart 5400e PHL May	1	PPQNMI-TLB-81-1321 PPQSEIII Conn, L M	SAME
	KY, Oldham PPQSEIII/LMC, VJ	KY Hart 5400e PHL May	1	PPQNMI-TLB-81-1323 PPQSEIII Conn, L M	SAME
	KY, Oldham PPQSEIII/LMC, VJ	KY Hart 8100e PHL May	1	PPQNMI-TLB-81-1325 PPQSEIII Conn, L M	SAME
	KY, Oldham PPQSEIII/LMC, VJ	KY Pulaski 6400e PHL Apr	1	PPQNMI-TLB-81-1176 PPQSEIII Conn, L M	SAME
	KY, Oldham PPQSEIII/LMC, VJ	KY Pulaski 6400e PHL Apr	1	PPQNMI-TLB-81-1178 PPQSEIII Conn, L M	SAME
	KY, Oldham PPQSEIII/LMC, VJ	KY Pulaski 3200e PHL Apr	1	PPQNMI-TLB-81-1180 PPQSEIII Conn, L M	SAME
	KY, Oldham PPQSEIII/LMC, VJ	KY Pulaski 3200e PHL Apr	1	PPQNMI-TLB-81-1182 PPQSEIII Conn, L M	SAME

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Bathyplectes anurus (Thomson) Hymenoptera Ichneumonidae	KY, Oldham PPQSEIII/LMC, VJ	KY Pulaski 1600e PHL Apr	1	PPQNMI-TLB-81-1184 PPQSEIII Conn, L M	Hypera postica (Gyllenhal) alfalfa weevil
	IN, Harrison PPQNEV/JC, WPH	MI Berrien 36000e PHL May	1	PPQNMI-TLB-81-1819 PPQNMI Bryan, M D	SAME
	WV PA NJ BIRL PPQ/	MI Delta 572 A Jun	1	PPQNMI-TLB-81-0637 PPQNMI Pelligrini, D	SAME
	MI, Berrien PPQNMI/TLB, MCH	MI Ionia 9100e PHL Jun	1	PPQNMI-TLB-81-1947 PPQNEV Boughton, D	SAME
	MI, Berrien PPQNMI/TLB, MCH	MI Ionia 8710e PHL Jun	1	PPQNMI-TLB-81-1954 PPQNEV Boughton, D	SAME
	MI, Berrien PPQNMI/TLB, MCH	MI Iosco 7800e PHL May	1	PPQNMI-TLB-81-1888 PPQNEV Kubik, C	SAME
	MI, Berrien PPQNMI/TLB, MCH	MI Iosco 7800e PHL May	1	PPQNMI-TLB-81-1894 PPQNEV Kubik, C	SAME
	MI, Berrien PPQNMI/TLB, MCH	MI Oceana 7800e PHL May	1	PPQNMI-TLB-81-1882 PPQNMI Kubik, C	SAME

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Bathyplectes anurus (Thomson) Hymenoptera Ichneumonidae	MI, Berrien PPQNMI/TLB, MCH	MI Tuscola 7800e PHL May	1	PPQNMI-TLB-81-1900 PPQNEV Kubik, C	Hypera postica (Gyllenhal) alfalfa weevil
	MI, Berrien PPQNMI/TLB, MCH	MI Tuscola 7800e PHL May	1	PPQNMI-TLB-81-1906 PPQNEV Kubik, C	SAME
	MI, Berrien PPQNMI/TLB, MCH	MI Tuscola 7800e PHL May	1	PPQNMI-TLB-81-1912 PPQNEV Kubik, C	SAME
	KY, Oldham PPQSEIII/LMC, VJ	MO Andrew 12800e PHL Apr	1	PPQNMI-TLB-81-1236 MODA Burgess, L P	SAME
	KY, Oldham PPQSEIII/LMC, VJ	MO Barry 16200e PHL Apr	1	PPQNMI-TLB-81-1073 MODA Carmichael, O E	SAME
	KY, Oldham PPQSEIII/LMC, VJ	MO Caldwell 10800e PHL Apr	1	PPQNMI-TLB-81-1037 PPQSCIV Nichols, R W	SAME
	KY, Oldham PPQSEIII/LMC, VJ	MO Caldwell 10800e PHL Apr	1	PPQNMI-TLB-81-1042 PPQSCIV Nichols, R W	SAME
	KY, Oldham PPQSEIII/LMC, VJ	MO Cass 9600e PHL Apr	1	PPQNMI-TLB-81-1230 MODA Dotson, J A	SAME
	KY, Oldham PPQSEIII/LMC, VJ	MO Cedar 10800e PHL Apr	1	PPQNMI-TLB-81-1066 MODA Shepard, R	SAME

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Bathyplectes anurus (Thomson) Hymenoptera Ichneumonidae	KY, Oldham PPQSEIII/LMC, VJ	MO Chariton 18900e PHL 1 Apr	PPQNMI-TLB-81-1088 PPQSCIV Wallerich, J L	Hypera postica (Gyllenhal) alfalfa weevil
	KY, Oldham PPQSEIII/LMC, VJ	MO Chariton 18900e PHL 1 Apr	PPQNMI-TLB-81-1095 PPQSCIV Wallerich, J L	SAME
	KY, Oldham PPQSEIII/LMC, VJ	MO Cole 17600e PHL 1 Apr	PPQNMI-TLB-81-1244 PPQSCIV Burnett, T L	SAME
	KY, Oldham PPQSEIII/LMC, VJ	MO Cole 17600e PHL 1 Apr	PPQNMI-TLB-81-1255 MODA Francka, J E	SAME
	IN KY MI BIRL PPQ/	MO Greene 294e A 1 Apr NOTE: 031	PPQNMI-TLB-81-0057 PPQSCIV MODA Burnett, T L Shepard, R	SAME
	KY, Oldham PPQSEIII/LMC, VJ	MO Greene 27000e PHL 1 Apr	PPQNMI-TLB-81-1061 MODA Shepard, R	SAME
	KY, Oldham PPQSEIII/LMC, VJ	MO Greene 24300e PHL 1 Apr	PPQNMI-TLB-81-1125 PPQSCIV Nichols, R W	SAME
	KY, Oldham PPQSEIII/LMC, VJ	MO Harrison 10800e PHL 1 Apr	PPQNMI-TLB-81-1039 PPQSCIV Nichols, R W	SAME

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Bathyplectes anurus (Thomson) Hymenoptera Ichneumonidae	KY, Oldham PPQSEIII/LMC, VJ	MO Harrison 10800e PHL 1 Apr	PPQNMI-TLB-81-1045 PPQSCIV Nichols, R W	Hypera postica (Gyllenhal) alfalfa weevil
	KY, Oldham PPQSEIII/LMC, VJ	MO Laclede 18900e PHL 1 Apr	PPQNMI-TLB-81-1102 PPQSCIV Brennecke, B J	SAME
	KY, Oldham PPQSEIII/LMC, VJ	MO Laclede 18900e PHL 1 Apr	PPQNMI-TLB-81-1109 PPQSCIV Brennecke, B J	SAME
	KY, Oldham PPQSEIII/LMC, VJ	MO Laclede 27000e PHL 1 Apr	PPQNMI-TLB-81-1116 PPQSCIV Brennecke, B J	SAME
	KY, Oldham PPQSEIII/LMC, VJ	MO Nodaway 10800e PHL 1 Apr	PPQNMI-TLB-81-1048 PPQSCIV Nichols, R W	SAME
	KY, Oldham PPQSEIII/LMC, VJ	MO Nodaway 8100e PHL 1 Apr	PPQNMI-TLB-81-1053 PPQSCIV Nichols, R W	SAME
	KY, Oldham PPQSEIII/LMC, VJ	MO Schuyler 21600e PHL 1 Apr	PPQNMI-TLB-81-1019 PPQSCIV Wallerich, J L	SAME
	KY, Oldham PPQSEIII/LMC, VJ	MO Schuyler 27000e PHL 1 Apr	PPQNMI-TLB-81-1027 PPQSCIV Wallerich, J L	SAME
	KY, Oldham PPQSEIII/LMC, VJ	MO Schuyler 24300e PHL 1 Apr	PPQNMI-TLB-81-1079 PPQSCIV Wallerich, J L	SAME

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Bathyplectes anurus (Thomson) Hymenoptera Ichneumonidae	WV PA NJ BIRL PPQ/	MO Schuyler 194e A May NOTE: 033	1	PPQNMI-TLB-81-0567 PPQSCIV Wallerich, J L	Hypera postica (Gyllenhal) alfalfa weevil
	IN, Harrison PPQNEV/JC, WPH	OH Crawford 12000e PHL May	1	PPQNMI-TLB-81-1724 PPQNEV Zechman, J	SAME
	IN, Harrison PPQNEV/JC, WPH	OH Franklin 12000e PHL May	1	PPQNMI-TLB-81-1704 PPQNEV Arnold, C	SAME
	IN, Harrison PPQNEV/JC, WPH	OH Franklin 12000e PHL May	1	PPQNMI-TLB-81-1709 PPQNEV Arnold, C	SAME
	IN, Harrison PPQNEV/JC, WPH	OH Miami 24000e PHL May	1	PPQNMI-TLB-81-1714 PPQNEV Trudeau, M	SAME
	IN, Harrison PPQNEV/JC, WPH	OH Morrow 12000e PHL May	1	PPQNMI-TLB-81-1729 PPQNEV Zechman, J	SAME
	MI, Berrien PPQNMI/TLB, MCH	PA Jefferson 7800e PHL May	1	PPQNMI-TLB-81-1918 PPQNEIV Shiner, R J	SAME
	MI, Berrien PPQNMI/TLB, MCH	PA Jefferson 6500e PHL May	1	PPQNMI-TLB-81-1924 PPQNEIV Shiner, R J	SAME
	IN, Harrison PPQNEV/JC, WPH	PA Mercer 17000e PHL May	1	PPQNMI-TLB-81-1672 PPQNEIV Thompson, C J	SAME

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Bathyplectes anurus (Thomson) Hymenoptera Ichneumonidae	IN, Harrison PPQNEV/JC, WPH	PA Mercer 17000e PHL May	1	PPQNMI-TLB-81-1677 PPQNEIV Thompson, C J	Hypera postica (Gyllenhal) alfalfa weevil
	IN, Harrison PPQNEV/JC, WPH	PA Washington 17000e PHL May	1	PPQNMI-TLB-81-1662 PPQNEIV Garra, M G	SAME
	IN, Harrison PPQNEV/JC, WPH	PA Washington 17000e PHL May	1	PPQNMI-TLB-81-1667 PPQNEIV Garra, M G	SAME
	KY, Oldham PPQSEIII/LMC, VJ	VA Albemarle 8100e PHL May	1	PPQNMI-TLB-81-1329 VADACS Tate, J R	SAME
	KY, Oldham PPQSEIII/LMC, VJ	VA Bath 13500e PHL May	1	PPQNMI-TLB-81-1358 VADACS Zimmerman, W W	SAME
	KY, Oldham PPQSEIII/LMC, VJ	VA Bath 8100e PHL May	1	PPQNMI-TLB-81-1361 VADACS Zimmerman, W W	SAME
	KY, Oldham PPQSEIII/LMC, VJ	VA Bedford 13500e PHL May	1	PPQNMI-TLB-81-1353 VADACS Robertson, R W	SAME
	KY, Oldham PPQSEIII/LMC, VJ	VA Botetourt 18900e PHL May	1	PPQNMI-TLB-81-1328 VADACS Robertson, R W	SAME
	KY, Oldham PPQSEIII/LMC, VJ	VA Botetourt 27000e PHL May	1	PPQNMI-TLB-81-1338 VADACS Robertson, R W	SAME

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Bathyplectes anurus (Thomson) Hymenoptera Ichneumonidae	KY, Oldham PPQSEIII/LMC, VJ	VA Botetourt 18900e PHL May	1	PPQNMI-TLB-81-1366 VADACS Robertson, R W	Hypera postica (Gyllenhal) alfalfa weevil
	IN, Harrison PPQNEV/JC, WPH	VA Halifax 23800e PHL May	1	PPQNMI-TLB-81-1682 VPIEXT VADACS Younger, L Tate, J R	SAME
	IN, Harrison PPQNEV/JC, WPH	VA Richmond 13600e PHL May	1	PPQNMI-TLB-81-1689 VPIEXT Newsome, Z L	SAME
	IN, Harrison PPQNEV/JC, WPH	VA Richmond 13600e PHL May	1	PPQNMI-TLB-81-1692 VPIEXT Newsome, Z L	SAME
	KY, Oldham PPQSEIII/LMC, VJ	VA Roanoke 13500e PHL May	1	PPQNMI-TLB-81-1348 VADACS Robertson, R W	SAME
	MI, Berrien PPQNMI/TLB, MCH	WI Chippewa 2200e PHL May	1	PPQNMI-TLB-81-1862 PPQNEV Neff, C W	SAME
	MI, Berrien PPQNMI/TLB, MCH	WI Chippewa 2200e PHL May	1	PPQNMI-TLB-81-1864 PPQNEV Neff, C W	SAME
	WV PA NJ BIRL PPQ/	WI Fond du lac 385e A May	1	PPQNMI-TLB-81-0496 PPQNEV Bedford, J	SAME

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Bathyplectes anurus (Thomson) Hymenoptera Ichneumonidae	WV PA NJ BIRL PPQ/	WI Iowa 378e A 1 May NOTE: 033	PPQNMI-TLB-81-0427 PPQNEV Bedford, J	Hypera postica (Gyllenhal) alfalfa weevil
	IN, Harrison PPQNEV/JC, WPH	WI Iowa 48000e PHL 1 May	PPQNMI-TLB-81-1758 PPQNEV Bedford, J	SAME
	MI, Berrien PPQNMI/TLB, MCH	WI Marathon 2200e PHL 1 May	PPQNMI-TLB-81-1860 UWIEXT Hartman, G F	SAME
	IN, Harrison PPQNEV/JC, WPH	WI Shawano 14400e PHL 1 May	PPQNMI-TLB-81-1836 UWIEXT Blonde, M P	SAME
	IN, Harrison PPQNEV/JC, WPH	WI Shawano 14400e PHL 1 May	PPQNMI-TLB-81-1842 UWIEXT Blonde, M P	SAME
	IN, Harrison PPQNEV/JC, WPH	WI Trempealeau 28800e PHL 2 May	PPQNMI-TLB-81-1848 UWIEXT Ausderau, E	SAME
	IN, Harrison PPQNEV/JC, WPH	WV Grant 17000e PHL 1 May	PPQNMI-TLB-81-1617 PPQNEVII Tustin, A E	SAME
	IN, Harrison PPQNEV/JC, WPH	WV Grant 17000e PHL 1 May	PPQNMI-TLB-81-1622 PPQNEVII Tustin, A E	SAME
	IN, Harrison PPQNEV/JC, WPH	WV Hardy 17000e PHL 1 May	PPQNMI-TLB-81-1627 PPQNEVII Tustin, A E	SAME

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Bathyplectes anurus (Thomson) Hymenoptera Ichneumonidae	IN, Harrison PPQNEV/JC, WPH	WV Hardy 17000e PHL May	1	PPQNMI-TLB-81-1632 PPQNEVII Tustin, A E	Hypera postica (Gyllenhal) alfalfa weevil
	IN, Harrison PPQNEV/JC, WPH	WV Monongalia 17000e PHL May	1	PPQNMI-TLB-81-1637 WVU Weaver, J E	SAME
	IN, Harrison PPQNEV/JC, WPH	WV Monongalia 17000e PHL May	1	PPQNMI-TLB-81-1642 WVU Weaver, J E	SAME
	IN, Harrison PPQNEV/JC, WPH	WV Monongalia 17000e PHL May	1	PPQNMI-TLB-81-1647 WVU Weaver, J E	SAME
	IN, Harrison PPQNEV/JC, WPH	WV Preston 17000e PHL May	1	PPQNMI-TLB-81-1652 WVU Weaver, J E	SAME
	IN, Harrison PPQNEV/JC, WPH	WV Preston 17000e PHL May	1	PPQNMI-TLB-81-1657 WVU Weaver, J E	SAME
Bathyplectes curculionis (Thomson) Hymenoptera Ichneumonidae	KY IN MI PPQ/	IA ? Apr to May NOTE: 025	PHL ?	PPQNMI-TLB-81-1002	SAME
	KY IN PPQ/	IL ? Apr to May NOTE: 025	PHL ?	PPQNMI-TLB-81-1135	SAME

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Bathyplectes curculionis (Thomson) Hymenoptera Ichneumonidae	KY IN PPQ/	IN ? PHL ? Apr to May NOTE: 025	PPQNMI-TLB-81-1302	Hypera postica (Gyllenhal) alfalfa weevil
	KY, Oldham PPQSEIII/LMC, VJ	KY ? PHL ? Apr to May NOTE: 025	PPQNMI-TLB-81-1177	SAME
	IN MI PPQ/	MI ? PHL ? May to Jun NOTE: 025	PPQNMI-TLB-81-1820	SAME
	KY MI PPQ/	MO ? PHL ? Apr NOTE: 025	PPQNMI-TLB-81-1020	SAME
	IN, Harrison PPQNEV/JC, WPH	OH ? PHL ? May NOTE: 025	PPQNMI-TLB-81-1705	SAME
	IN MI PPQ/	PA ? PHL ? May NOTE: 025	PPQNMI-TLB-81-1663	SAME
	KY IN PPQ/	VA ? PHL ? Apr to May NOTE: 025	PPQNMI-TLB-81-1330	SAME

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Bathyplectes curculionis (Thomson) Hymenoptera Ichneumonidae	IN MI PPQ/	WI ? PHL ? May NOTE: 025	PPQNMI-TLB-81-1759	Hypera postica (Gyllenhal) alfalfa weevil
	IN, Harrison PPQNEV/JC, WPH	WV ? PHL ? May NOTE: 025	PPQNMI-TLB-81-1618	SAME
Biosteres sublaevis Wharton Hymenoptera Braconidae	USA, TX UCB	CA Solano 117 A 1 Jul to Sep	UCB-KSH-81-0054 UCB Hagen, K S	Rhagoletis completa Cresson walnut husk fly
Biosteres tryoni (Cameron) Hymenoptera Braconidae	USA, HI UCB UCB/RLT ?/GU	CA Solano 1406 A ? Jul to Sep	UCB-KSH-81-0055 UCB Hagen, K S	SAME
Brachymeria intermedia (Nees) Hymenoptera Chalcididae	Europe? ?	CO Las Animas 1075e A 1 Sep	CODA-DMN-81-0002 CODA Nees, D M	Hemileuca oliviae Cockerell range caterpillar
	Spain, Morocco, India BIRL	NH Carroll 914 A 1 Jun to Jul	NJDA-RJC-81-0009-1 NHDA Durkis, T J	Lymantria dispar (Linnaeus) gypsy moth
	Spain, Morocco, India BIRL	NH Merrimack 1846 A 2 Jun to Jul	NJDA-RJC-81-0009 NHDA Durkis, T J	SAME

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Brachymeria intermedia (Nees) Hymenoptera Chalcididae	Spain, Morocco, India BIRL	NJ Burlington 9000e A 1 Jun	NJDA-RJC-81-0007 NJRU Lashomb, J H	Lymantria dispar (Linnaeus) gypsy moth
	Spain, Morocco, India BIRL	NJ Burlington 931 A 1 Jul	NJDA-RJC-81-0006-3 NJDA Phillips, K S Phillips, D	SAME
	Spain, Morocco, India BIRL	NJ Morris 3017 A 1 Jul	NJDA-RJC-81-0006-2 NJDA Riley, S	SAME
	Spain, Morocco, India BIRL	NJ Somerset 9865 A 1 Jun	NJDA-RJC-81-0006-1 NJDA Riley, S	SAME
	Spain, Morocco, India BIRL	VA Fairfax 7750e A 5 Jul to Aug	NJDA-RJC-81-0012-3 VADF Pugh, J	SAME
	Spain, Morocco, India BIRL	VA Fairfax City 250e A 1 Aug	NJDA-RJC-81-0012-4 VADF Pugh, J	SAME
	Spain, Morocco, India BIRL	VA Fauquier 250e A 1 Jul	NJDA-RJC-81-0012-1 VADF Pugh, J	SAME
	Spain, Morocco, India BIRL	VA Loudoun 750e A 1 Jul	NJDA-RJC-81-0012-2 VADF Pugh, J	SAME
Brachymeria lasus (Walker) Hymenoptera Chalcididae	Japan ?	CO Las Animas 4325e A 1 Sep	CODA-DMN-81-0001 CODA Nees, D M	Hemileuca oliviae Cockerell range caterpillar

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Cales noacki Howard Hymenoptera Aphelinidae	Chile UCR	CA San Diego 55 A 1 Jul	UCR-PD-81-0007 UCR Rose, M J	Aleurothrixus floccosus (Maskell) woolly whitefly
	Chile UCR	CA Ventura 620e A 2 Jul	UCR-PD-81-0004 UCR Rose, M J	SAME
	USA CA UCR/MJR	HI Honolulu 870e A 20 Dec	HDA-81-0027 HDA Kumashiro, B R	SAME
Calosoma sycophanta (Linnaeus) Coleoptera Carabidae	CT, Middlesex CT, New Haven BIRL/PWS, JMT	DE New Castle 46 L 1 Jun	BIRL-PWS-81-0085 BIRL Schaefer, P W Carr, M	Lymantria dispar (Linnaeus) gypsy moth
	MA, Worcester NHDA/TJD MADEMS/DVT	NH Carroll 50 A 1 Jun	NHDA-TJD-81-0001-1 NHDA Durkis, T J	SAME
	MA, Worcester NHDA/TJD MADEMS/DVT	NH Merrimack 55 A 1 Jun	NHDA-TJD-81-0001-2 NHDA Durkis, T J	SAME
	MA, Worcester UNH/RMR	NH Strafford 16 A,L 1 Jul	UNH-RMR-81-0001 UNH Reeves, R M	SAME
Calvia quatuordecimguttata (Linnaeus) Coleoptera Coccinellidae	Japan BIRL APL	WA Chelan 114 A 1 Jul	YARL-REF-81-0021 YARL Fye, R E	Psylla pyricola Förster pear psylla

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Calvia quatuordecimguttata (Linnaeus) Coleoptera Coccinellidae	Japan BIRL APL	WA Klickitat 491 A 1 Jul to Aug	YARL-REF-81-0017 YARL Fye, R E	Psylla pyricola Förster pear psylla
Campoplex frustranae Cushman Hymenoptera Ichneumonidae	USA, GA UCR	CA Orange 114 A 2 Jul	UCR-RFL-81-0027 UCR Luck, R F	Rhyacionia frustrana (Comstock) Nantucket pine tip moth
	USA, GA UCR	CA San Diego 100 A 1 Jun	UCR-RFL-81-0025 UCR Luck, R F	SAME
Campoplex n. sp. Hymenoptera Ichneumonidae	Mexico HDA	HI Maui 6948 A 3 Jan to Dec	HDAM-NM-81-0002 HDAM Miyahira, N	Keiferia lycopersicella (Walsingham) tomato pinworm
Cerchysiella utilis (Noyes) Hymenoptera Encyrtidae	Kenya HDA HDA/KTM	HI Maui 100 A 1 Aug	HDA-WTN-81-0001 HDAM Miyahira, N	Carpophilus humeralis (Fabricius) pineapple souring beetle Carpophilus hemipterus (Linnaeus) driedfruit beetle
	Kenya HDA HDA/KTM	HI Maui 685 A 2 Nov to Dec	HDAM-NM-81-0012 HDAM Miyahira, N	Carpophilus humeralis (Fabricius) pineapple souring beetle Carpophilus hemipterus (Linnaeus) driedfruit beetle

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Chelonus mccombi Marsh Hymenoptera Braconidae	USA, TX UCR	AZ Yuma 2500e A 2 Sep to Oct	UCR-EFL-81-0020 UCR Legner, E F	Pectinophora gossypiella (Saunders) pink bollworm
	USA, TX UCR	CA Butte 675 A,L,P 2 May	UCR-EFL-81-0007 UCR Legner, E F Medved, R A	Amyelois transitella (Walker) navel orangeworm
	USA, TX UCR	CA Butte 1325 A 3 Jul	UCR-EFL-81-0015 UCR Legner, E F Warkentin, R W	SAME
	USA, TX UCR	CA Fresno 1300 A 2 May	UCR-EFL-81-0004 UCR Legner, E F Medved, R A	SAME
	USA, TX UCR	CA Imperial 1000 A 1 Oct	UCR-EFL-81-0020-5 UCR Legner, E F	Pectinophora gossypiella (Saunders) pink bollworm
	USA, TX UCR	CA Merced 425 A 3 Jul	UCR-EFL-81-0010 UCR Legner, E F Toy, S	Amyelois transitella (Walker) navel orangeworm
	USA, TX UCR	CA Riverside 2500e A 2 Sep to Oct	UCR-EFL-81-0020 UCR Legner, E F	Pectinophora gossypiella (Saunders) pink bollworm

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Chelonus mccombi Marsh Hymenoptera Braconidae	USA, TX UCR	CA Tulare 435 A 1 Apr	UCR-EFL-81-0001 UCR Legner, E F Medved, R A	Amyelois transitella (Walker) navel orangeworm
	USA, TX UCR	CA Tulare 188 A 1 Aug	UCR-EFL-81-0017 UCR Legner, E F Toy, S	SAME
Chrysocharis laricinellae (Ratzeburg) Hymenoptera Eulophidae	WA, Stevens ORDFL/PJ COMBCC/EB	OR Baker 120000e PHL&P 3 Apr to May NOTE: 028	FSPOR-LFP-81-0007 ORDFL Joseph, P	Coleophora laricella (Hübner) larch casebearer
	WA, Stevens ORDFL/PJ COMBCC/EB	OR Crook 40000e PHL&P 1 Apr to May NOTE: 028	FSPOR-LFP-81-0008-3 ORDFL Joseph, P	SAME
	WA, Yakima FSPOR/LFP	OR Crook 7000e A 1 Jun	FSPOR-LFP-81-0011 FSPOR Pettinger, L F	SAME
	WA, Stevens ORDFL/PJ COMKC/MV	OR Grant 80000e PHL&P 2 Apr to May NOTE: 028	FSPOR-LFP-81-0005 COMKC Vandehey, M	SAME
	WA, Stevens ORDFL/PJ COMBCC/EB	OR Jefferson 80000e PHL&P 2 Apr to May NOTE: 028	FSPOR-LFP-81-0008 ORDFL Joseph, P	SAME

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Chrysocharis laricinellae (Ratzeburg) Hymenoptera Eulophidae	WA, Stevens ORDFL/PJ COMKC/MV	OR Morrow 360000e PHL&P Apr to May NOTE: 028	9	FSPOR-LFP-81-0003 COMKC Vandehey, M	Coleophora laricella (Hübner) larch casebearer
	WA, Stevens ORDFL/PJ COMKC/MV	OR Umatilla 80000e PHL&P Apr to May NOTE: 028	2	FSPOR-LFP-81-0004 COMKC Vandehey, M	SAME
	WA, Stevens ORDFL/PJ COMKC/MV	OR Umatilla 80000e PHL&P Apr to May NOTE: 028	2	FSPOR-LFP-81-0009 ORDFL Joseph, P	SAME
	WA, Stevens COMBCC/EB ORDFL/PJ	OR Union 160000e PHL&P Apr to May NOTE: 028	4	FSPOR-LFP-81-0001 COMBCC ORDFL Barton, E Joseph, P	SAME
	WA, Stevens COMBCC/EB ORDFL/PJ	OR Union 160000e PHL&P Apr to May NOTE: 028	4	FSPOR-LFP-81-0010 ORDFL Joseph, P	SAME
	WA, Stevens ORDFL/PJ COMKC/MV	OR Wallowa 160000e PHL&P Apr to May NOTE: 028	4	FSPOR-LFP-81-0006 ORDFL Joseph, P	SAME
	WA, Stevens ORDFL/PJ COMKC/MV	OR Wheeler 280000e PHL&P Apr to May NOTE: 028	7	FSPOR-LFP-81-0002 COMKC Vandehey, M	SAME

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Chrysocharis liriomyzae Delucchi Hymenoptera Eulophidae	PA, Chester BIRL/	MD Baltimore 84 A 1 Aug	BIRL-RMH-81-0097 MDDA Hollins, M	Agromyza frontella (Rondani) alfalfa blotch leafminer
	PA, Chester BIRL/	OH Wayne 64 A 1 Aug	BIRL-RMH-81-0104 OARDC Flessel, J K	SAME
	PA, Chester BIRL/	OH Wayne 15 A 1 Sep	BIRL-RMH-81-0137 OARDC Flessel, J K	SAME
	PA, Chester BIRL/SEB	PA Lancaster 8 A 1 Aug	BIRL-RMH-81-0186 BIRL Angulo, K	SAME
Chrysocharis nitetis (Walker) Hymenoptera Eulophidae	Austria CIBCESAU/EA	PA Monroe 174 A 1 Sep	BIRL-81-0165 BIRL Taylor, P B	Fenusa pusilla (Lepeletier) birch leafminer
Chrysocharis parksi Crawford Hymenoptera Eulophidae	USA CA HDA HDA/RMB	HI Honolulu 2229 A 1 Nov to Dec	HDA-KTM-81-0006 HDA Murai, K T	Liriomyza sativae Blanchard vegetable leafminer Liriomyza trifolii (Burgess) leafminer
Chrysocharis sp. Hymenoptera Eulophidae	Trinidad HDA	HI Honolulu 980 A 1 Sep	HDA-KTM-81-0003 HDA Murai, K T	Liriomyza sativae Blanchard vegetable leafminer Liriomyza trifolii (Burgess) leafminer

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Chrysocharis sp. Hymenoptera Eulophidae	Trinidad HDA	HI Honolulu 800 A ? Nov NOTE: 019	HDA-KTM-81-0005 HDA Murai, K T	Liriomyza sativae Blanchard vegetable leafminer Liriomyza trifolii (Burgess) leafminer
Chrysocharis sp. nr. giraulti Yoshimoto Hymenoptera Eulophidae	Trinidad HDA	HI Honolulu 900 A 3 Aug	HDA-KTM-81-0001 HDA Murai, K T	Liriomyza sativae Blanchard vegetable leafminer Liriomyza trifolii (Burgess) leafminer
	Trinidad HDA	HI Honolulu 1110 A 1 Sep	HDA-KTM-81-0002 HDA Murai, K T	Liriomyza sativae Blanchard vegetable leafminer Liriomyza trifolii (Burgess) leafminer
	Trinidad HDA	HI Honolulu 17035 A 3 Nov to Dec	HDA-KTM-81-0004 HDA Murai, K T	Liriomyza sativae Blanchard vegetable leafminer Liriomyza trifolii (Burgess) leafminer

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Chrysonotomyia formosa (Westwood) Hymenoptera Eulophidae	Germany, West CIBCES/KPC	NC Avery 72 A 1 Sep	BIRL-81-0132 FSRTPNC FSANC Drooz, A T Huber, C M	Diprion similis (Hartig) introduced pine sawfly
Chrysonotomyia ruforum (Krausse) Hymenoptera Eulophidae	Germany, West CIBCES/KPC	NC Avery 12 A 1 Sep	BIRL-81-0127 FSRTPNC FSANC Drooz, A T Ghent, J H	SAME
	Germany, West CIBCES/KPC	NC Avery 18 A 1 Sep	BIRL-81-0131 FSRTPNC Drooz, A T	SAME
Chrysonotomyia sp. "green" Hymenoptera Eulophidae	Germany, West CIBCES/KPC	NC Avery 32 A 1 Sep	BIRL-81-0128 FSRTPNC FSANC Drooz, A T Ghent, J H	SAME
Coccinella septempunctata Linnaeus Coleoptera Coccinellidae	USA, NJ BIRL	AZ Maricopa 223 A 1 Feb	WCRL-GDB-81-0001 WCRL Butler, G D	Acyrthosiphon pisum (Harris) pea aphid Acyrthosiphon kondoi Shinji blue alfalfa aphid
Coccipolipus epilachnae Smiley Acariformes Podapolipidae	Guatemala BIRL	MD Anne Arundel 1500e ALL 1 Jun NOTE: 092	BIIL-RFWS-81-0014 BIIL Schroder, R F W	Epilachna varivestis Mulsant Mexican bean beetle

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Coccipolipus epilachnae Smiley Acariformes Podapolipidae	Guatemala BIRL	MD Baltimore 4500e ALL Jun NOTE: 092	3	BIIL-RFWS-81-0015 BIIL Schroder, R F W	Epilachna varivestis Mulsant Mexican bean beetle
	Guatemala BIRL	MD Carroll 6000e ALL Jun NOTE: 092	2	BIIL-RFWS-81-0016 BIIL Schroder, R F W	SAME
	Guatemala BIRL	MD Carroll 6000e ALL Aug NOTE: 092	1	BIIL-RFWS-81-0023 BIIL Schroder, R F W	SAME
	Guatemala BIRL	MD Charles 4500e ALL Jun NOTE: 092	3	BIIL-RFWS-81-0018 BIIL Schroder, R F W	SAME
	Guatemala BIRL	MD Charles 3000e ALL Jun NOTE: 092	2	BIIL-RFWS-81-0019 BIIL Schroder, R F W	SAME
	Guatemala BIRL	MD Prince Georges 3000e ALL Jun NOTE: 092	1	BIIL-RFWS-81-0017 BIIL Schroder, R F W	SAME
	Guatemala BIRL	WV Jefferson 6000e ALL Aug NOTE: 092	1	BIIL-RFWS-81-0022 BIIL Schroder, R F W	SAME

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Coccophagus rusti Compere Hymenoptera Aphelinidae	South Africa UCB SFPPRIS/ ? (culture)	CA Contra Costa 1125e A Oct to Nov	?	UCB-LEC-81-0014 UCB Kennett, C E	Saissetia oleae (Olivier) black scale
	South Africa UCB SFPPRIS/ ? (culture)	CA Fresno 475 A Oct to Nov	?	UCB-LEC-81-0015 UCB Kennett, C E	SAME
	South Africa UCB SFPPRIS/ ? (culture)	CA Solano 250e A Oct to Nov	?	UCB-LEC-81-0016 UCB Kennett, C E	SAME
	South Africa UCB SFPPRIS/ ? (culture)	CA Tehama 150e A Oct to Nov	?	UCB-LEC-81-0017 UCB Kennett, C E	SAME
Coccygomimus disparis (Viereck) Hymenoptera Ichneumonidae	? ?	CO Las Animas 3850e A Sep	1	CODA-DMN-81-0003 CODA Nees, D M	Hemileuca oliviae Cockerell range caterpillar
	Japan BIRL	NJ Burlington 1750e A Jun	1	NJDA-RJC-81-0003-1 NJDA Bullock, R H	Lymantria dispar (Linnaeus) gypsy moth Alsophila pometaria (Harris) fall cankerworm

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Coccygomimus disparis (Viereck) Hymenoptera Ichneumonidae	Japan BIRL	NJ Morris 460 A 1 Jun to Jul	NJDA-RJC-81-0003-2 NJDA Mina, P J	Lymantria dispar (Linnaeus) gypsy moth
Comperia merceti (Compere) Hymenoptera Encyrtidae	USA, HI UCB	CA Alameda 9823 A ? Feb to Jun	UCB-LEC-81-0001 UCBE Slater, A	Supella longipalpa (Fabricius) brownbanded cockroach
	USA, HI UCB	CA Alameda 16428 A ? Jul to Dec	UCB-LEC-81-0006 UCBE Slater, A	SAME
Comperiella sp. Hymenoptera Encyrtidae	CA, Tulare UCR/	CA Imperial 10 A 1 Jun	UCR-RFL-81-0023 UCR Luck, R F	Aonidiella aurantii (Maskell) California red scale
Compsilura concinnata (Meigen) Diptera Tachinidae	USA, CT CTAES VADACSVB VADACSVB	CT Middlesex 3379e A 1 May to Jun	NJDA-RJC-81-0002 CTAES Weseloh, R M	Lymantria dispar (Linnaeus) gypsy moth
	USA, CT CTAES VADACSVB VADACSVB	NJ Hunterdon 2903 A 1 Oct	NJDA-RJC-81-0015-1 NJDA Mina, P J	Hyphantria cunea (Drury) fall webworm
	USA, CT CTAES VADACSVB ?	NJ Monmouth 7640 A,P 1 Oct to Nov	NJDA-RJC-81-0015-2 NJDA Bullock, R H	Pieris rapae (Linnaeus) imported cabbageworm

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Compsilura concinnata (Meigen) Diptera Tachinidae	? ?	VA Accomack 200e A 1 Apr	VADACSVB-BAH-81-0006 VADACSVB Williams, J R	?
	? ?	VA Accomack 200e A 1 Apr	VADACSVB-BAH-81-0008 VADACSVB Williams, J R	SAME
	? ?	VA Chesapeake 200e A 1 Oct	VADACSVB-BAH-81-0254 VADACSVB Hayes, B A	SAME
	? ?	VA Chesapeake 200e A 1 Oct	VADACSVB-BAH-81-0271 VADACSVB Hayes, B A	SAME
	? ?	VA Clarke 200e A 1 Apr	VADACS-JRT-81-2001 ? Thomson, E L	SAME
	? ?	VA Clarke 600e A 1 Jul	VADACS-JRT-81-0025 ? Morris, R H	SAME
	? ?	VA Clarke 900e A 1 Jul	VADACS-JRT-81-0026 ? Morris, R H	SAME
	? ?	VA Clarke 600e A 1 Jul	VADACS-JRT-81-0029 ? Morris, R H	SAME
	? ?	VA Clarke 1200e A 1 Aug	VADACS-JRT-81-0036 ? Thomson, E L	SAME

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Compsilura concinnata (Meigen) Diptera Tachinidae	? ?	VA Culpeper 1363 A 1 Aug	VADACS-JRT-81-0035 ? Morris, R H	?
	? ?	VA Culpeper 1100e A 1 Sep	VADACSVB-BAH-81-0218 ? Morris, R H	SAME
	? ?	VA Fairfax 300e A 1 Jun	VADACS-JRT-81-0016 ? Morris, R H	Lymantria dispar (Linnaeus) gypsy moth
	? ?	VA Fairfax 400e A 1 Jun	VADACS-JRT-81-0019 ? Morris, R H	SAME
	USA, ? VADACSVB CTAES ?	VA Fairfax 5759e A,P 4 Jul to Aug	NJDA-RJC-81-0010-1 VADF Pugh, J	SAME
	? ?	VA Fairfax City 900e A 1 Jun	VADACSVB-BAH-81-0052 ? Morris, R H	SAME
	? ?	VA Fairfax City 100e A 1 Aug	VADACSVB-BAH-81-0179 ? Morris, R H	?
	? ?	VA Fairfax City 800 A 1 Sep	VADACSVB-BAH-81-0245 ? Thomson, E L	SAME
	? ?	VA Fauquier 800e A 1 Jun	VADACS-JRT-81-0020 ? Morris, R H	Lymantria dispar (Linnaeus) gypsy moth

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Compsilura concinnata (Meigen) Diptera Tachinidae	? ?	VA Fauquier 900e A 1 Jun	VADACSVB-BAH-81-0078 ? Morris, R H	Lymantria dispar (Linnaeus) gypsy moth
	USA, ? VADACSVB CTAES ?	VA Fauquier 1250e A,P 1 Jul	NJDA-RJC-81-0010-2 VADF Pugh, J	SAME
	? ?	VA Fauquier 1405e A 1 Jul	VADACS-JRT-81-0030 ? Thomson, E L	?
	? ?	VA Fauquier 1600e A 1 Jul	VADACSVB-BAH-81-0108 ? Morris, R H	SAME
	? ?	VA Fauquier 400e A 1 Jul	VADACSVB-BAH-81-0124 ? Morris, R H	SAME
	? ?	VA Fauquier 900e A 1 Jul	VADACSVB-BAH-81-0138 ? Morris, R H	SAME
	? ?	VA Fauquier 500e A 1 Jul	VADACSVB-BAH-81-0147 ? Thomson, E L	SAME
	? ?	VA Fauquier 300e A 1 Aug	VADACS-JRT-81-0033 ? Morris, R H	SAME

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Compsilura concinnata (Meigen) Diptera Tachinidae	? ?	VA Fauquier 100e A Aug	1	VADACS-JRT-81-0039 ? Thomson, E L	?
	? ?	VA Fauquier 500e A Aug	1	VADACSVB-BAH-81-0157 ? Thomson, E L	SAME
	? ?	VA Fauquier 800e A Aug	1	VADACSVB-BAH-81-0165 ? Thomson, E L	SAME
	? ?	VA Fauquier 1200e A Aug	1	VADACSVB-BAH-81-0187 ? Thomson, E L	SAME
	? ?	VA Floyd 100e A May	1	VADACS-JRT-81-0004 ?	SAME
	? ?	VA Floyd 300e A May	1	VADACS-JRT-81-0007 VADACS Eggborn, W P	Lymantria dispar (Linnaeus) gypsy moth
	? ?	VA Floyd 1000e A May	1	VADACSVB-BAH-81-0010 VADACSVB	?
	? ?	VA Floyd 200e A Jun	1	VADACS-JRT-81-0012 ?	SAME
	? ?	VA Loudoun 1300e A Jun	1	VADACSVB-BAH-81-0092 ? Morris, R H Hoyas, V H	Lymantria dispar (Linnaeus) gypsy moth

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Compsilura concinnata (Meigen) Diptera Tachinidae	USA, ? VADACSVB CTAES ?	VA Loudoun 1000e A Jul	1	NJDA-RJC-81-0010-3 VADF Pugh, J	Lymantria dispar (Linnaeus) gypsy moth
	? ?	VA Loudoun 400e A Jul	1	VADACS-JRT-81-0023 ? Morris, R H	?
	? ?	VA Lunenburg 400e A May	1	VADACS-JRT-81-0008 ? Mitchell, W H	Lymantria dispar (Linnaeus) gypsy moth
	? ?	VA Lunenburg 400e A May	1	VADACS-JRT-81-2005 ? Eggborn, W P	SAME
	? ?	VA Lunenburg 400e A Jun	1	VADACS-JRT-81-0015 ? Mitchell, W H	SAME
	? ?	VA Lunenburg 1200e A Jun	1	VADACSVB-BAH-81-0066 ? Mitchell, W H	SAME
	? ?	VA Montgomery 200e A Jun	1	VADACS-JRT-81-0011 ? Miller, H S	?
	? ?	VA New Kent 275 A Oct	1	VADACS-JRT-81-0044 ? Gregory, D	SAME

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Compsilura concinnata (Meigen) Diptera Tachinidae	? ?	VA Northampton 100e A 1 Oct	VADACSVB-TMG-81-0008 VADACSVB Good, T M	?
	? ?	VA Prince William 600e A 1 May	VADACSVB-BAH-81-0032 ? Morris, R H	SAME
	? ?	VA Prince William 1795 A 1 Sep	VADACS-JRT-81-0041 ? Thomson, E L	SAME
	? ?	VA Prince William 700e A 1 Sep	VADACSVB-BAH-81-0205 ? Thomson, E L	SAME
	? ?	VA Prince William 1100e A 1 Sep	VADACSVB-BAH-81-0231 ? Thomson, E L	SAME
	? ?	VA Rockingham 700e A 1 May	VADACSVB-BAH-81-0022 ? Thomson, E L	SAME
	? ?	VA Spotsylvania 1100e A 1 Oct	VADACS-JRT-81-0042 ? Morris, R H	SAME
	? ?	VA Suffolk 200e A 1 Apr	VADACSVB-BAH-81-0002 VADACSVB Hayes, B A	Malacosoma americanum (Fabricius) eastern tent caterpillar
	? ?	VA Virginia Beach 200e A 1 Apr	VADACSVB-BAH-81-0003 VADACSVB Hayes, B A	SAME

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Compsilura concinnata (Meigen) Diptera Tachinidae	? ?	VA Virginia Beach 400e A 1 Apr	VADACSVB-TMG-81-0003 VADACSVB Good, T M	Malacosoma americanum (Fabricius) eastern tent caterpillar
	? ?	VA Virginia Beach 200e A 1 Jul	VADACSVB-BAH-81-0153 VADACSVB Hayes, B A	?
	? ?	VA Virginia Beach 200e A 1 Oct	VADACSVB-BAH-81-0256 VADACSVB Hayes, B A	SAME
	? ?	VA Virginia Beach 400e A 1 Oct	VADACSVB-BAH-81-0258 VADACSVB Hayes, B A	SAME
	? ?	VA Virginia Beach 500e A 1 Oct	VADACSVB-BAH-81-0265 VADACSVB Hayes, B A	SAME
Coptera evansi Muesebeck Hymenoptera Diapriidae	USA, NM UCB	CA Shasta 692 A ? Jul to Sep	UCB-KSH-81-0052 UCB Hagen, K S	Rhagoletis completa Cresson walnut husk fly
	USA, NM UCB	CA Solano 690 A ? Jul to Sep	UCB-KSH-81-0053 UCB Hagen, K S	SAME
Coptera occidentalis Muesebeck Hymenoptera Diapriidae	USA, NM UCB	CA Alameda 580 A ? Jun	UCB-KSH-81-0037 UCB Hagen, K S	SAME

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Cotesia melanoscelus (Ratzeburg) Hymenoptera Braconidae	PA, various counties N/A PABF/RAF	PA Centre 73049e A May to Jun	1	PABF-RAF-81-0001 PABF Fusco, R A	Lymantria dispar (Linnaeus) gypsy moth
Cotesia plutellae (Kurdjumov) Hymenoptera Braconidae	Trinidad HDA	HI Maui 175 A Jan	2	HDAM-NM-81-0003 HDAM Miyahira, N	Plutella xylostella (Linnaeus) diamondback moth
	Trinidad HDA	HI Maui 17943 A Mar to Dec	4	HDAM-NM-81-0005 HDAM Miyahira, N	SAME
Cotesia ruficrus (Haliday) Hymenoptera Braconidae	Australia SCCUE	LA Bossier 450 A Sep	2	LSU-DJB-81-0001 LSU Boethel, D J	Pseudoplusia includens (Walker) soybean looper
	Australia SRQF SCCU SCCU/BMS CSIROSL/RJL	SC Barnwell 3800e C May	3	SCCUE-SGT-81-0001 SCCUE McCutcheon, G S	Trichoplusia ni (Hübner) cabbage looper
	Australia SRQF SCCU SCCU/BMS CSIROSL/RJL	SC Barnwell 200e A Jun	1	SCCUE-SGT-81-0008 SCCUE McCutcheon, G S	SAME
	Australia SRQF SCCU SCCU/BMS CSIROSL/RJL	SC Beaufort 2100e C Jun	1	SCCUE-SGT-81-0006 SCCUE Turnipseed, S G	SAME

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Cotesia ruficrus (Haliday) Hymenoptera Braconidae	Australia SRQF SCCU SCCU/BMS CSIROSL/RJL	SC Beaufort 500e A Jun	1	SCCUE-SGT-81-0010 SCCUE McCutcheon, G S	Trichoplusia ni (Hübner) cabbage looper
	Australia SRQF SCCU SCCU/BMS CSIROSL/RJL	SC Charleston 2900e C Jun	1	SCCUE-SGT-81-0005 SCCUE Turnipseed, S G	SAME
	Australia SRQF SCCU SCCU/BMS CSIROSL/RJL	SC Charleston 1200e A Jun	1	SCCUE-SGT-81-0009 SCCUE McCutcheon, G S	SAME
Cyzenis albicans (Fallén) Diptera Tachinidae	Canada CDARPS CFSTNS/	OR Clackamas 93 A Apr	1	BIRL-81-0026 ORDA Penrose, R L	Operophtera brumata (Linnaeus) winter moth
	Canada CDARPS CFSTNS/	OR Clackamas 17 A Apr	1	BIRL-81-0029 ORDA Penrose, R L	SAME
Dacnusa dryas (Nixon) Hymenoptera Braconidae	PA, Chester BIRL/	MD Allegany 223 A Jul	1	BIRL-RMH-81-0086 MDDA Bacon, N	Agromyza frontella (Rondani) alfalfa blotch leafminer
	PA, Chester BIRL/KA	MD Baltimore 118 A Jul	1	BIRL-RMH-81-0076 MDDA Hollins, M	SAME

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Dacnusa dryas (Nixon) Hymenoptera Braconidae	PA, Chester BIRL/	MD Baltimore 60 A 1 Jul	BIRL-RMH-81-0092 MDDA Malan, S C	Agromyza frontella (Rondani) alfalfa blotch leafminer
	PA, Chester BIRL/	MD Baltimore 93 A 1 Aug	BIRL-RMH-81-0096 MDDA Hollins, M	SAME
	PA, Chester BIRL/SEB, KA	MD Harford 303 A 1 Jun	BIRL-RMH-81-0188 BIRL Angulo, K	SAME
	PA, Chester BIRL/FE	MD Howard 164 A 1 Jun	BIRL-RMH-81-0066 MDDA Malan, S C	SAME
	PA, Chester BIRL/	OH Wayne 24 A 1 Aug	BIRL-RMH-81-0103 OARDC Flessel, J K	SAME
	PA, Chester BIRL/	OH Wayne 119 A 1 Sep	BIRL-RMH-81-0136 OARDC Flessel, J K	SAME
	PA, Chester BIRL/SB, KA	PA Lancaster 25 A 1 Aug	BIRL-RMH-81-0187 BIRL Angulo, K	SAME
	PA, Chester BIRL/	VA Floyd 140e A 1 Jul	BIRL-RMH-81-0095 VPI Fleischer, S	SAME
	PA, Chester BIRL/	VA Montgomery 300e A 1 Jul	BIRL-RMH-81-0084 PPQNEVII Clement, G L	SAME

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Dacnusa dryas (Nixon) Hymenoptera Braconidae	PA, Chester BIRL/KA	WV Greenbrier 120e A 1 Jun	BIRL-RMH-81-0072 PPQNEVII Clement, G L	Agromyza frontella (Rondani) alfalfa blotch leafminer
Delphastus pusillus (LeConte) Coleoptera Coccinellidae	Trinidad HDA	HI Hawaii 105 A 1 Mar	HDA-BRK-81-0014 HDAH Yoshioka, E R	Aleurodicus dispersus Russell spiraling whitefly
	HI, Hawaii HDAH/	HI Hawaii ? A ? May	HDAH-ERY-81-0007 HDAH Yoshioka, E R	SAME
	Trinidad HDA	HI Honolulu 80 A 1 Jan	HDA-BRK-81-0001 HDA Kumashiro, B R	SAME
	Trinidad HDA	HI Honolulu 295 A 4 Mar to Apr	HDA-BRK-81-0016 HDA Kumashiro, B R	SAME
	Trinidad HDA	HI Honolulu 15 A 1 Jul	HDA-BRK-81-0017 HDA Kumashiro, B R	SAME
	Trinidad HDA	HI Kauai 138 A 1 Mar	HDA-BRK-81-0015 HDAK Sugawa, D T	SAME
Dendrosoter protuberans (Nees) Hymenoptera Braconidae	Europe FSDOH	CO Delta 5000e A 4 Jul	CODA-KEM-81-0005 CODA Mowrer, K E	Scolytus multistriatus (Marsham) smaller Europ. elm bark beetle

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Dendrosoter protuberans (Nees) Hymenoptera Braconidae	Europe FSDOH	CO Douglas 3500e A 3 Sep	CODA-KEM-81-0007 CODA Mowrer, K E	Scolytus multistriatus (Marsham) smaller Europ. elm bark beetle
	Europe FSDOH	CO Garfield 5500e A 5 Jul	CODA-KEM-81-0003 CODA Mowrer, K E	SAME
	Europe FSDOH	CO Mesa 15500e F 8 Sep	CODA-KEM-81-0006 CODA Mowrer, K E	SAME
	Europe FSDOH	CO Montrose 4000e F 1 Sep	CODA-KEM-81-0008 CODA Mowrer, K E	SAME
Diadegma laricinellum (Strobl) Hymenoptera Ichneumonidae	Poland BIRL	OR Union 554 A 1 Aug	FSCOR-RBR-81-0001 FSCOR Ryan, R B	Coleophora laricella (Hübner) larch casebearer
	Poland BIRL	OR Union 1394 A 1 Sep	FSCOR-RBR-81-0003 FSCOR Ryan, R B	SAME
	Poland BIRL	OR Union 844 A 1 Sep	FSCOR-RBR-81-0005 FSCOR Ryan, R B	SAME
	Poland BIRL	PA York 985 A 1 Sep	FSCOR-RBR-81-0002 BIRL Taylor, P B Short, J	SAME

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Diadegma laricinellum (Strobl) Hymenoptera Ichneumonidae	Poland BIRL	PA York 1003 A Sep	1	FSCOR-RBR-81-0004 BIRL Taylor, P B	Coleophora laricella (Hübner) larch casebearer
Diadegma sp. Hymenoptera Ichneumonidae	Australia UCR	AZ Yuma 500e A Sep	2	UCR-EFL-81-0019 UCR Legner, E F	Pectinophora gossypiella (Saunders) pink bollworm
	Australia UCR	CA Butte 200 A May	2	UCR-EFL-81-0008 UCR Legner, E F Toy, S	Amyelois transitella (Walker) navel orangeworm
	Australia UCR	CA Butte 750 A Jul	3	UCR-EFL-81-0013 UCR Legner, E F Warkentin, R W	SAME
	Australia UCR	CA Fresno 125 A May	2	UCR-EFL-81-0005 UCR Legner, E F Toy, S	SAME
	Australia UCR	CA Imperial 500e A Oct	1	UCR-EFL-81-0019-5 UCR Legner, E F	Pectinophora gossypiella (Saunders) pink bollworm
	Australia UCR	CA Merced 245 A Jul	3	UCR-EFL-81-0011 UCR Legner, E F Warkentin, R W	Amyelois transitella (Walker) navel orangeworm

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Diadegma sp. Hymenoptera Ichneumonidae	Australia UCR	CA Riverside 500e A 2 Sep	UCR-EFL-81-0019 UCR Legner, E F	Pectinophora gossypiella (Saunders) pink bollworm
	Australia UCR	CA Tulare 170 A 1 Apr	UCR-EFL-81-0002 UCR Legner, E F Warkentin, R W	Amyelois transitella (Walker) navel orangeworm
	Australia UCR	CA Tulare 117 A 1 Aug	UCR-EFL-81-0016 UCR Legner, E F Warkentin, R W	SAME
Diaparsis temporalis Horstmann Hymenoptera Ichneumonidae	MI, Berrien PPQNMI/	MD Anne Arundel 75 A 1 Jun	PPQNMI-TLB-81-0615 MDDA Staines, C L	Oulema melanopus (Linnaeus) cereal leaf beetle
	MI, Berrien PPQNMI/	MD Anne Arundel 14 A 1 Jun	PPQNMI-TLB-81-0620 MDDA Staines, C L	SAME
	MI, Berrien PPQNMI/	MD Frederick 75 A 1 Jun	PPQNMI-TLB-81-0614 MDDA Staines, C L	SAME
	MI, Berrien PPQNMI/	NC Davie 1 F 1 May	PPQNMI-TLB-81-0441 NCDA Mitchell, J R	SAME
	MI, Berrien PPQNMI/	NC Person 69 A 1 May	PPQNMI-TLB-81-0210 NCDA Galloway, R H Lehrer, C A	SAME

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Diaparsis temporalis Horstmann Hymenoptera Ichneumonidae	MI, Berrien PPQNMI/	NC Rockingham 70 A 1 May	PPQNMI-TLB-81-0209 NCDA Galloway, R H	Oulema melanopus (Linnaeus) cereal leaf beetle
	MI, Berrien PPQNMI/	NC Stokes 70 A 1 May	PPQNMI-TLB-81-0208 NCDA Galloway, R H	SAME
	MI, Berrien PPQNMI/	VA Hanover 49 A 1 May	PPQNMI-TLB-81-0316 VADACS Tate, J R	SAME
Dinorhynchus dybowskyi Jakovlev Heteroptera Pentatomidae	Japan, Hokkaido APL/RWC, KI	CT Hartford 61 N 1 May	BIRL-81-0195 BIRL Schaefer, P W	Lymantria dispar (Linnaeus) gypsy moth
	Japan, Hokkaido APL/RWC, KI	MD Cecil 65 N 1 May	BIRL-81-0193 BIRL Schaefer, P W	SAME
	Japan, Hokkaido APL/RWC, KI	PA Cumberland 118 N 1 May	BIRL-81-0194 BIRL Schaefer, P W	SAME
Dipriocampe diprioni (Ferrière) Hymenoptera Tetracampidae	Germany, West CIBCES/KPC	NC Avery 4 A 1 Sep	BIRL-81-0126 FSRTPNC FSANC Drooz, A T Huber, C M	Diprion similis (Hartig) introduced pine sawfly
Edovum puttleri Grissell Hymenoptera Eulophidae	Colombia BCIRL	DE New Castle 1350e A 1 May	BCIRL-BP-81-0007 BIRL Schaefer, P W	Leptinotarsa decemlineata (Say) Colorado potato beetle

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Edovum puttleri Grissell Hymenoptera Eulophidae	Colombia BCIRL	MD Prince Georges 3950e A 1 Jun	BCIRL-BP-81-0012 BIIL Schroder, R F W	Leptinotarsa decemlineata (Say) Colorado potato beetle
	Colombia BCIRL	MO Boone 2000e A 1 May	BCIRL-BP-81-0002 BCIRL Puttler, B Long, S H	SAME
	Colombia BCIRL	MO Boone 2400e A 1 May	BCIRL-BP-81-0003 BCIRL Puttler, B Long, S H	SAME
	Colombia BCIRL	MO Boone 2000e A 1 May	BCIRL-BP-81-0009 BCIRL Puttler, B Long, S H	SAME
	Colombia BCIRL	MO Boone 1000e A 1 May	BCIRL-BP-81-0010 BCIRL Puttler, B Long, S H	SAME
	Colombia BCIRL	MO Cape Girardeau 2500e A 1 Jun	BCIRL-BP-81-0015 MODAS Hanning, L	SAME
	Colombia BCIRL	MO Grundy 2500e A 1 Jun	BCIRL-BP-81-0013 BCIRL Puttler, B Long, S H	SAME
	Colombia BCIRL	MO Lawrence 800e A 1 Apr	BCIRL-BP-81-0001 BCIRL Puttler, B	SAME

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Edovum puttleri Grissell Hymenoptera Eulophidae	Colombia BCIRL	MO Lawrence 1000e A 1 May	BCIRL-BP-81-0004 BCIRL Puttler, B	Leptinotarsa decemlineata (Say) Colorado potato beetle
	Colombia BCIRL	MO St. Charles 2000e A 1 May	BCIRL-BP-81-0005 BCIRL Biever, K D	SAME
	Colombia BCIRL	MO St. Charles 2500e A 1 May	BCIRL-BP-81-0006 BCIRL Biever, K D	SAME
Encarsia ?haitiensis Dozier Hymenoptera Aphelinidae	HI, Honolulu HDA HDA/	AS Tutuila I 300e A 1 Nov	ASDA-LH-81-0002 ASDA Hirata, L	Aleurodicus dispersus Russell spiraling whitefly
	HI, Honolulu HDA HDA/	GU 5 A 1 Nov	GUUG-JRN-81-0002 GUUG Nechols, J R	SAME
	HI, Honolulu HDA HDA/	GU 150e A 2 Dec	GUUG-JRN-81-0005 GUUG Nechols, J R	SAME
	HI, Honolulu HDA/	HI Hawaii 400 A 1 Mar	HDA-KKT-81-0002 HDAH Yoshioka, E R	SAME
	HI, Hawaii HDAH/	HI Hawaii 10805 A 6 Apr to Aug	HDAH-ERY-81-0004 HDAH Yoshioka, E R	SAME

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Encarsia ?haitiensis Dozier Hymenoptera Aphelinidae	HI, Hawaii HDAH/	HI Hawaii 7055 A 4 Sep to Dec	HDAH-ERY-81-0008 HDAH Yoshioka, E R	Aleurodicus dispersus Russell spiraling whitefly
	HI, Honolulu HDA/	HI Kauai 275 A 1 Mar	HDA-KKT-81-0001 HDAK Sugawa, D T	SAME
	HI, Hawaii HDAH/	HI Maui 6075 A ? May to Aug NOTE: 019	HDAH-ERY-81-0006 HDAM Miyahira, N	SAME
	HI, Honolulu HDA/	HI Maui 4121 A ? Jun to Aug NOTE: 019	HDA-KKT-81-0003 HDAM Miyahira, N	SAME
	HI, Hawaii HDAH/	HI Maui 5360 A 5 Oct to Dec	HDAH-ERY-81-0009 HDAM Miyahira, N	SAME
	HI, Honolulu HDA/	HI Maui (Molokai I) 2225 A ? Sep to Nov NOTE: 019	HDA-KKT-81-0004 UHIEXT	SAME
Encarsia formosa Gahan Hymenoptera Aphelinidae	USA, CA COMRVI COMAB (culture)	DE New Castle 500 P 1 Apr NOTE: 121	BIRL-81-0043 BIRL Hendrickson, R M	Trialeurodes vaporariorum (Westwood) greenhouse whitefly
	DE, New Castle BIRL BIRL/	MD Frederick 300e I 1 Aug NOTE: 121	BIRL-RMH-81-0114 PDRL Rossi, A E	SAME

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Encarsia formosa Gahan Hymenoptera Aphelinidae	DE, New Castle BIRL BIRL/SEB	MD Frederick 800e PHN 1 Oct NOTE: 121	BIRL-RMH-81-0150 PDRL Latterell, F M	Trialeurodes vaporariorum (Westwood) greenhouse whitefly
Encarsia opulenta (Silvestri) Hymenoptera Aphelinidae	Mexico PPQMMX	FL ? 1	FLDPIFL-CP-81-0002 FLDPIFL Grandberry, W	Aleurocanthus woglumi Ashby citrus blackfly
Encarsia sp. Hymenoptera Aphelinidae	CA, Orange ? ?	CA Imperial 30 A 1 Aug	UCR-RFL-81-0051 UCR Luck, R F	Aonidiella aurantii (Maskell) California red scale
	Japan UCR/PD, MJR	CA Orange 25 A 1 Aug	UCR-81-0031 UCR Rose, M J	Parabemisia myricae Kuwana Japanese bayberry whitefly
	Japan UCR/MJR	CA Orange 20 A 2 Aug	UCR-81-0033 UCR Rose, M J	SAME
	Japan UCR/MJR	CA Orange 20 A 1 Aug	UCR-81-0035-2 UCR Rose, M J	SAME
	Japan UCR/MJR	CA Orange 20 A 2 Aug	UCR-81-0038 UCR Rose, M J	SAME
	Japan UCR/PD	CA Orange 2 A 1 Aug	UCR-81-0039 UCR Rose, M J	Dialeurodes citri (Ashmead) citrus whitefly

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Encarsia sp. Hymenoptera Aphelinidae	Japan UCR/MJR	CA Orange 20 A 1 Aug	UCR-81-0041-2 UCR Rose, M J	Parabemisia myricae Kuwana Japanese bayberry whitefly
	Japan UCR/MJR	CA Orange 15 A 1 Aug	UCR-81-0042-2 UCR Rose, M J	SAME
	Japan UCR/MJR	CA Orange 10 A 1 Aug	UCR-81-0044-2 UCR Rose, M J	SAME
	Japan UCR/MJR	CA Orange 18 A 1 Aug	UCR-81-0047-2 UCR Rose, M J	SAME
	Japan UCR/MJR	CA Orange 5 A 1 Aug	UCR-81-0049-2 UCR Rose, M J	SAME
	Japan UCR	CA Orange 4000e A 1 Nov	UCR-PD-81-0026 UCR Rose, M J	SAME
	Japan UCR UCR/PD, MJR	CA Orange 2800e A 2 Dec	UCR-PD-81-0027 UCR Rose, M J	SAME
	CA, Orange ? ?	CA Riverside 10 A 1 Jul	UCR-RFL-81-0044 UCR Luck, R F	Aonidiella aurantii (Maskell) California red scale
	CA, Orange ?? ? UCR/	CA Tulare 55 A 1 Jun	UCR-RFL-81-0020 UCR Luck, R F	SAME

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Encarsia sp. Hymenoptera Aphelinidae	Japan UCR/MJR	CA Ventura 5 A 1 Aug	UCR-81-0033-2 UCR Rose, M J	Parabemisia myricae Kuwana Japanese bayberry whitefly
	Japan UCR/MJR	CA Ventura 50 A 1 Aug	UCR-81-0035-1 UCR Rose, M J	SAME
	Japan UCR/MJR	CA Ventura 6 A 1 Aug	UCR-81-0038-2 UCR Rose, M J	SAME
	Japan UCR/MJR	CA Ventura 31 A 1 Aug	UCR-81-0041-1 UCR Rose, M J	SAME
	Japan UCR/MJR	CA Ventura 25 A 1 Aug	UCR-81-0042-1 UCR Rose, M J	SAME
	Japan UCR/MJR	CA Ventura 31 A 1 Aug	UCR-81-0044-1 UCR Rose, M J	SAME
	Japan UCR/MJR	CA Ventura 21 A 1 Aug	UCR-81-0047-1 UCR Rose, M J	SAME
	Japan UCR/MJR	CA Ventura 5 A 1 Aug	UCR-81-0049-1 UCR Rose, M J	SAME
	Trinidad HDA	HI Hawaii 1650 A 3 Jan to Jun	HDA-CKO-81-0003 HDAH Yoshioka, E R	Aleurodicus dispersus Russell spiraling whitefly

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Encarsia sp. Hymenoptera Aphelinidae	Trinidad HDA	HI Hawaii 300 A Nov to Dec	1	HDA-CKO-81-0011 HDAH Yoshioka, E R	Aleurodicus dispersus Russell spiraling whitefly
	Trinidad HDA	HI Honolulu 100 A Jan	2	HDA-CKO-81-0004 HDA Otsuka, C K	SAME
	Trinidad HDA	HI Honolulu 800 A Jun to Jul NOTE: 019	?	HDA-CKO-81-0007 HDA Otsuka, C K	SAME
	Trinidad HDA	HI Honolulu 150 A Nov to Dec	3	HDA-CKO-81-0012 HDA Otsuka, C K	SAME
	Trinidad HDA	HI Kauai 200 A Jan	2	HDA-CKO-81-0001 HDAK Sugawa, D T	SAME
	Trinidad HDA	HI Kauai 1075 A Mar to Jun	5	HDA-CKO-81-0006 HDAK Sugawa, D T	SAME
	Trinidad HDA	HI Kauai 150 A Aug	2	HDA-CKO-81-0008 HDAK Sugawa, D T	SAME
	Trinidad HDA	HI Kauai 200 A Dec	2	HDA-CKO-81-0013 HDAK Sugawa, D T	SAME
	Trinidad HDA	HI Maui 200 A Jan	2	HDA-CKO-81-0002 HDAM Miyahira, N	SAME

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Encarsia sp. Hymenoptera Aphelinidae	Trinidad HDA	HI Maui 1225 A 7 Mar to May	HDA-CKO-81-0005 HDAM Miyahira, N	Aleurodicus dispersus Russell spiraling whitefly
	Trinidad HDA	HI Maui 400 A 3 Nov to Dec	HDA-CKO-81-0010 HDAM Miyahira, N	SAME
	Trinidad HDA	HI Maui (Molokai I) 675 A ? Sep to Dec NOTE: 019	HDA-CKO-81-0009 UHIEXT	SAME
Encyrtus saliens Prinsloo & Annecke Hymenoptera Encyrtidae	South Africa UCB SFPPRIS/SN	CA Alameda 115e A 1 Jul to Sep	UCB-KSH-81-0049 UCB Hagen, K S	Pulvinariella mesembryanthemi (Vallot) ice plant scale Pulvinaria delotti Gill
	South Africa UCB SFPPRIS/SN	CA Contra Costa 120 A ? May	UCB-KSH-81-0030 UCB Hagen, K S	SAME Pulvinariella mesembryanthemi (Vallot) ice plant scale
	South Africa UCB SFPPRIS/SN	CA Contra Costa 130e A 1 Nov	UCB-KSH-81-0073 UCB Hagen, K S	SAME Pulvinaria delotti Gill

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Encyrtus saliens Prinsloo & Annecke Hymenoptera Encyrtidae	South Africa UCB SFPPRIS/SN	CA Marin 35 A 1 Apr	UCB-KSH-81-0021 UCB Hagen, K S	Pulvinariella mesembryanthemi (Vallot) ice plant scale
Eocanthecona furcellata (Wolff) Heteroptera Pentatomidae	Thailand FBCL THKU	FL Alachua 12000e N 1 Mar	UFG-RIS-81-0002 UFG Tseng, J-M Sailer, R I	Malacosoma americanum (Fabricius) eastern tent caterpillar
	Thailand FBCL THKU	FL Alachua 1000e N 1 Apr to May	UFG-RIS-81-0003 UFG Tseng, J-M Sailer, R I	Leptinotarsa decemlineata (Say) Colorado potato beetle
	Thailand FBCL THKU	FL Gadsden 756 N 1 Sep	UFG-RIS-81-0004 UFG Tseng, J-M Sailer, R I	Anticarsia gemmatalis Hübner velvetbean caterpillar Pseudoplusia includens (Walker) soybean looper
Ephedrus plagiator (Nees) Hymenoptera Aphidiidae	Yugoslavia BIRL EPL/FG	CO Adams 650e A 1 Apr	CODA-KEM-81-0001-2 COMBE Keenan, L C	aphids
	Yugoslavia BIRL EPL/FG	CO Denver 650e A 1 Apr	CODA-KEM-81-0001-1 COMBE Keenan, L C	SAME

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Ephedrus plagiator (Nees) Hymenoptera Aphidiidae	Yugoslavia BIRL EPL/FG	CO Mesa 3170e A 3 Apr	CODA-KEM-81-0002 CODA Mowrer, K E	Acyrthosiphon pisum (Harris) pea aphid
	Yugoslavia BIRL EPL/FG	CO Mesa 2000e A 1 Jul	CODA-KEM-81-0004 CODA Mowrer, K E	SAME
	France EPL/FG	OK Payne 137 A 1 Mar	BIRL-81-0014 OKSU Need, J	Schizaphis graminum (Rondani) greenbug
Eretmocerus ?californicus Howard Hymenoptera Aphelinidae	USA CA UCR/MJR	DE New Castle 319 A 1 May to Jun NOTE: 121	BIRL-81-0178 BIRL Hendrickson, R M	Trialeurodes vaporariorum (Westwood) greenhouse whitefly
	USA CA UCR/MJR	PA Montgomery 265e A 1 May NOTE: 121	BIRL-81-0053 UPA Lamstein, L	SAME
	USA CA UCR/MJR	PA Montgomery 100e A 1 Jun	BIRL-81-0056 UPA Lamstein, L	SAME
Eretmocerus sp. Hymenoptera Aphelinidae	Japan UCR UCR/PD	CA Los Angeles 33 A 1 Sep	UCR-PD-81-0023 UCR Rose, M J	Aleurothrixus floccosus (Maskell) woolly whitefly

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Eretmocerus sp. Hymenoptera Aphelinidae	Japan UCR	CA Orange 30 A 1 Jan	UCR-PD-81-0001 UCR Rose, M J	Parabemisia myricae Kuwana Japanese bayberry whitefly
	Mexico UCR	CA Orange 61050e A 1 Jul	UCR-PD-81-0005 UCR Rose, M J	SAME
	Japan UCR/PD, MJR	CA Orange 1 A 1 Aug	UCR-81-0032 UCR Rose, M J	SAME
	Japan UCR/MJR	CA Orange 3 A 1 Aug	UCR-81-0034 UCR Rose, M J	SAME
	Japan UCR/MJR	CA Orange 10 A 1 Aug	UCR-81-0036 UCR Rose, M J	SAME
	Japan UCR/PD	CA Orange 43 A 1 Aug	UCR-81-0040 UCR Rose, M J	Dialeurodes citri (Ashmead) citrus whitefly
	Japan UCR/MJR	CA Orange 11 A 1 Aug	UCR-81-0048-2 UCR Rose, M J	Parabemisia myricae Kuwana Japanese bayberry whitefly
	Japan UCR/MJR	CA Orange 2 A 1 Aug	UCR-81-0050-2 UCR Rose, M J	SAME

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Eretmocerus sp. Hymenoptera Aphelinidae	Japan UCR UCR/PD	CA Orange 70 A 1 Aug	UCR-PD-81-0019 UCR Rose, M J	Dialeurodes citri (Ashmead) citrus whitefly
	Japan UCR UCR/PD	CA Orange 45 A 1 Sep	UCR-PD-81-0020 UCR Rose, M J	Aleurothrixus floccosus (Maskell) woolly whitefly
	Japan UCR	CA Orange 355 A 1 Oct	UCR-PD-81-0024 UCR Rose, M J	Parabemisia myricae Kuwana Japanese bayberry whitefly
	Japan UCR	CA Orange 25 A 1 Dec	UCR-PD-81-0028 UCR Rose, M J	SAME
	Japan UCR	CA Riverside 7 A 1 Apr	UCR-PD-81-0003 UCR Rose, M J	SAME
	Mexico UCR	CA Riverside 25000e A 1 Jul	UCR-PD-81-0008 UCR Rose, M J	SAME
	Japan UCR	CA San Diego 100 A 1 Jan	UCR-PD-81-0002 UCR Rose, M J	SAME
	Japan UCR UCR/PD	CA San Diego 73 A 1 Sep	UCR-PD-81-0021 UCR Rose, M J	Aleurothrixus floccosus (Maskell) woolly whitefly

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Eretmocerus sp. Hymenoptera Aphelinidae	Mexico UCR	CA Ventura 10150e A 1 Jul	UCR-PD-81-0009 UCR Rose, M J	Parabemisia myricae Kuwana Japanese bayberry whitefly
	Japan UCR/MJR	CA Ventura 7 A 1 Aug	UCR-81-0043 UCR Rose, M J	SAME
	Japan UCR/MJR	CA Ventura 3 A 1 Aug	UCR-81-0045 UCR Rose, M J	SAME
	Japan UCR/MJR	CA Ventura 24 A 1 Aug	UCR-81-0048-1 UCR Rose, M J	SAME
	Japan UCR/MJR	CA Ventura 2 A 1 Aug	UCR-81-0050-1 UCR Rose, M J	SAME
	Japan UCR UCR/PD	CA Ventura 100 A 2 Sep	UCR-PD-81-0022 UCR Rose, M J	Aleurothrixus floccosus (Maskell) woolly whitefly
	Japan UCR	CA Ventura 3200e A 1 Nov	UCR-PD-81-0025 UCR Rose, M J	Parabemisia myricae Kuwana Japanese bayberry whitefly
Euplectrus puttleri Gordh Hymenoptera Eulophidae	Brazil SRQF SCCUE SCCUE/SGT UAR/WCY	FL Collier 38 A 1 Oct	UFH-VHW-81-0009 UFH Waddill, V H	Anticarsia gemmatalis Hübner velvetbean caterpillar

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Euplectrus puttleri Gordh Hymenoptera Eulophidae	Brazil SRQF SCCUE SCCUE/SGT UAR/WCY	FL Collier 52 A 1 Nov	UFH-VHW-81-0010 UFH Waddill, V H	Anticarsia gemmatalis Hübner velvetbean caterpillar
	Brazil SRQF SCCUE SCCUE/SGT UAR/WCY	FL Dade 62 A 1 Apr	UFH-VHW-81-0001 UFH Waddill, V H	SAME
	Brazil SRQF SCCUE SCCUE/SGT UAR/WCY	FL Dade 32 A 1 May	UFH-VHW-81-0002 UFH Waddill, V H	SAME
	Brazil SRQF SCCUE SCCUE/SGT UAR/WCY	FL Dade 19 A 1 Jul	UFH-VHW-81-0003 UFH Waddill, V H	SAME
	Brazil SRQF SCCUE SCCUE/SGT UAR/WCY	FL Palm Beach 100 A 1 Sep	UFH-VHW-81-0004 UFH Waddill, V H	SAME
	Brazil SRQF SCCUE SCCUE/SGT UAR/WCY	FL Palm Beach 75 A 1 Sep	UFH-VHW-81-0005 UFH Waddill, V H	SAME

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Euplectrus puttleri Gordh Hymenoptera Eulophidae	Brazil SRQF SCCUE SCCUE/SGT UAR/WCY	FL Palm Beach 75 A 1 Oct	UFH-VHW-81-0007 UFH Waddill, V H	Anticarsia gemmatalis Hübner velvetbean caterpillar
	Brazil SRQF SCCUE SCCUE/SGT UAR/WCY	FL Palm Beach 92 A 1 Oct	UFH-VHW-81-0008 UFH Waddill, V H	SAME
Euseius addoensis rubicolus (van der Merwe & Ryke) Parasitiformes Phytoseiidae	South Africa UCR	CA Los Angeles 2000e A,N 1 Mar	UCR-JAM-81-0005 UCR Johnson, H G	Panonychus citri McGregor citrus red mite
	South Africa UCR	CA Riverside 2000e A,N 1 Apr	UCR-JAM-81-0010 UCR Johnson, H G	SAME
Euseius citri (van der Merwe & Ryke) Parasitiformes Phytoseiidae	South Africa UCR	CA San Diego 600e A,N 1 Apr	UCR-JAM-81-0012 UCR Johnson, H G	SAME
Euseius citrifolius (Denmark & Muma) Parasitiformes Phytoseiidae	South Africa UCR	CA Los Angeles 1200e A,N 1 Mar	UCR-JAM-81-0004 UCR Johnson, H G	SAME
	Brazil UCR	CA San Diego 1200e A,N 1 Apr	UCR-JAM-81-0011 UCR Johnson, H G	SAME

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Euseius elinae (Schicha) Parasitiformes Phytoseiidae	Australia UCR	CA Butte 1000e A,N 1 Jul	UCR-JAM-81-0046 UCR Johnson, H G	Tetranychus pacificus McGregor Pacific spider mite
	Australia UCR	CA Kern 2400e A,N 2 May	UCR-JAM-81-0028 UCR Johnson, H G	SAME
	Australia UCR	CA Kern 1600e A,N 1 Jul	UCR-JAM-81-0036 UCR Johnson, H G	SAME
	Australia UCR	CA Los Angeles 500e A,N 1 Mar	UCR-JAM-81-0001 UCR Johnson, H G	Panonychus citri McGregor citrus red mite
	Australia UCR	CA Orange 1200e A,N 1 Oct	UCR-JAM-81-0063 UCR Johnson, H G	Polyphagotarsonemus latus (Banks) broad mite
	Australia UCR	CA San Diego 400e A,N 1 May	UCR-JAM-81-0023 UCR Johnson, H G	Panonychus citri McGregor citrus red mite
	Australia UCR	CA San Diego 3900e A,N 3 Jul	UCR-JAM-81-0040 UCR Johnson, H G	Oligonychus punicae (Hirst) avocado brown mite
	Australia UCR	CA San Diego 1200e A,N 1 Sep	UCR-JAM-81-0054 UCR Johnson, H G	Panonychus citri McGregor citrus red mite

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Euseius elinae (Schicha) Parasitiformes Phytoseiidae	Australia UCR	CA Ventura 800e A,N Nov	1	UCR-JAM-81-0073 UCR Johnson, H G	Panonychus citri McGregor citrus red mite
Euseius hibisci (Chant) Parasitiformes Phytoseiidae	Mexico-Oaxaca State UCR UCR/JAM	CA Orange 4000e A,N Oct	1	UCR-JAM-81-0058 UCR Johnson, H G	Polyphagotarsonemus latus (Banks) broad mite
	Mexico-Chiapas State UCR UCR/JAM, MB	CA Orange 600e A,N Oct	1	UCR-JAM-81-0059 UCR Johnson, H G	SAME
	Mexico-Oaxaca State UCR UCR/JAM	CA Riverside 3800e A,N May	2	UCR-JAM-81-0020 UCR Johnson, H G	Panonychus citri McGregor citrus red mite
	Mexico-Oaxaca State UCR UCR/JAM	CA San Diego 3550e A,N Apr	2	UCR-JAM-81-0016 UCR Johnson, H G	SAME
	Mexico-Chiapas State UCR UCR/JAM, MB	CA San Diego 200e A,N May	1	UCR-JAM-81-0024 UCR Johnson, H G	SAME
	Mexico-Oaxaca State UCR UCR/JAM	CA San Diego 4700e A,N Jun	1	UCR-JAM-81-0029 UCR Johnson, H G	Oligonychus punicae (Hirst) avocado brown mite
	Mexico-Chiapas State UCR UCR/JAM, MB	CA San Diego 900e A,N Jun	1	UCR-JAM-81-0030 UCR Johnson, H G	SAME

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Euseius hibisci (Chant) Parasitiformes Phytoseiidae	Mexico-Oaxaca State UCR UCR/JAM	CA San Diego 6800e A,N 2 Sep	UCR-JAM-81-0051 UCR Johnson, H G	Oligonychus punicae (Hirst) avocado brown mite
	Mexico-Chiapas State UCR UCR/JAM, MB	CA San Diego 1400e A,N 1 Sep	UCR-JAM-81-0052 UCR Johnson, H G	SAME
	Mexico-Oaxaca State UCR UCR/JAM	CA Ventura 2300e A,N 1 Nov	UCR-JAM-81-0070 UCR Johnson, H G	Panonychus citri McGregor citrus red mite
	Mexico-Chiapas State UCR UCR/JAM, MB	CA Ventura 1700e A,N 1 Nov	UCR-JAM-81-0071 UCR Johnson, H G	SAME
	CA, southern BEL/LKT	DE New Castle 125e A 1 Oct	BEL-LKT-81-0001 BIRL Hendrickson, R M	Tetranychus urticae Koch twospotted spider mite
Euseius quetzali McMurtry Parasitiformes Phytoseiidae	Guatemala UCR	CA Orange 1100e A,N 1 Oct	UCR-JAM-81-0065 UCR Johnson, H G	Polyphagotarsonemus latus (Banks) broad mite
	Guatemala UCR	CA San Diego 1500e A,N 1 Apr	UCR-JAM-81-0015 UCR Johnson, H G	Panonychus citri McGregor citrus red mite
	Guatemala UCR	CA San Diego 1200e A,N 1 May	UCR-JAM-81-0022 UCR Johnson, H G	SAME

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Euseius quetzali McMurtry Parasitiformes Phytoseiidae	Guatemala UCR	CA San Diego 3500e A,N 1 Jun	UCR-JAM-81-0032 UCR Johnson, H G	Oligonychus punicae (Hirst) avocado brown mite
	Guatemala UCR	CA Ventura 1000e A,N 1 Nov	UCR-JAM-81-0074 UCR Johnson, H G	Panonychus citri McGregor citrus red mite
Euseius stipulatus (Athias-Henriot) Parasitiformes Phytoseiidae	Spain UCR	CA Butte 1500e A,N 1 Jul	UCR-JAM-81-0047 UCR Johnson, H G	Tetranychus pacificus McGregor Pacific spider mite
	Spain UCR	CA Kern 2400e A,N 2 May	UCR-JAM-81-0027 UCR Johnson, H G	SAME
	Spain UCR	CA Kern 1600e A,N 1 Jul	UCR-JAM-81-0037 UCR Johnson, H G	SAME
	Spain UCR	CA Los Angeles 2000e A,N 1 Mar	UCR-JAM-81-0006 UCR Johnson, H G	Panonychus citri McGregor citrus red mite
	Spain UCR	CA Orange 1600e A,N 1 Oct	UCR-JAM-81-0060 UCR Johnson, H G	Polyphagotarsonemus latus (Banks) broad mite
	Spain UCR	CA San Bernardino 2200e A,N 1 Oct	UCR-JAM-81-0068 UCR Johnson, H G	SAME

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Euseius stipulatus (Athias-Henriot) Parasitiformes Phytoseiidae	Spain UCR	CA San Diego 3800e A,N Apr	2	UCR-JAM-81-0018 UCR Johnson, H G	Panonychus citri McGregor citrus red mite
	Spain UCR	CA San Diego 4200e A,N Jun	1	UCR-JAM-81-0031 UCR Johnson, H G	Oligonychus punicae (Hirst) avocado brown mite
	Spain UCR	CA San Diego 3000e A,N Jul	1	UCR-JAM-81-0034 UCR Johnson, H G	Panonychus citri McGregor citrus red mite
	Spain UCR	CA San Diego 7400e A,N Jul	2	UCR-JAM-81-0041 UCR Johnson, H G	Oligonychus punicae (Hirst) avocado brown mite
	Spain UCR	CA San Diego 4100e A,N Sep	1	UCR-JAM-81-0050 UCR Johnson, H G	Panonychus citri McGregor citrus red mite
	Spain UCR	CA Ventura 16600e A,N Jul	6	UCR-JAM-81-0045 UCR Johnson, H G	SAME
	Spain UCR	CA Ventura 4800e A,N Nov	1	UCR-JAM-81-0069 UCR Johnson, H G	SAME
Euseius tutsi (Pritchard & Baker) Parasitiformes Phytoseiidae	South Africa UCR	CA Los Angeles 2200e A,N Mar	1	UCR-JAM-81-0003 UCR Johnson, H G	SAME

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Euseius tutsi (Pritchard & Baker) Parasitiformes Phytoseiidae	South Africa UCR	CA Orange 1100e A,N Oct	1	UCR-JAM-81-0062 UCR Johnson, H G	Polyphagotarsonemus latus (Banks) broad mite
	South Africa UCR	CA San Diego 800e A,N Apr	1	UCR-JAM-81-0014 UCR Johnson, H G	Panonychus citri McGregor citrus red mite
	South Africa UCR	CA San Diego 800e A,N May	1	UCR-JAM-81-0021 UCR Johnson, H G	SAME
	South Africa UCR	CA San Diego 9300e A,N Jul	3	UCR-JAM-81-0039 UCR Johnson, H G	Oligonychus punicae (Hirst) avocado brown mite
	South Africa UCR	CA Ventura 600e A,N Nov	1	UCR-JAM-81-0072 UCR Johnson, H G	Panonychus citri McGregor citrus red mite
Exochomus flavipes (Thunberg) Coleoptera Coccinellidae	South Africa UCB	CA Alameda 63 A Apr to Jun	1	UCB-KSH-81-0016 UCB Hagen, K S	Pulvinariella mesembryanthemi (Vallot) ice plant scale Pulvinaria delotti Gill
	South Africa UCB	CA Alameda 15 A Nov	1	UCB-KSH-81-0074 UCB Hagen, K S	Pulvinariella mesembryanthemi (Vallot) ice plant scale Pulvinaria delotti Gill

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Exochomus flavipes (Thunberg) Coleoptera Coccinellidae	South Africa UCB	CA Los Angeles 145 A 1 May	UCB-KSH-81-0025 UCB Hagen, K S	Pulvinariella mesembryanthemi (Vallot) ice plant scale
	South Africa UCB	CA Los Angeles 153 A ? Oct	UCB-KSH-81-0064 UCB Hagen, K S	SAME
	South Africa UCB	CA Monterey 156 A ? Feb to Mar	UCB-KSH-81-0009 UCB Hagen, K S	Pulvinaria delotti Gill Pulvinariella mesembryanthemi (Vallot) ice plant scale
	South Africa UCB	CA Orange 159 A 1 Apr	UCB-KSH-81-0017 UCB Hagen, K S	SAME
	South Africa UCB	CA Orange 179 A ? Sep	UCB-KSH-81-0058 UCB Hagen, K S	SAME
	South Africa UCB	CA San Luis Obispo 85 A 1 Nov to Dec	UCB-KSH-81-0075 UCB Hagen, K S	SAME
	South Africa UCB	CA Santa Barbara 122 A 1 Oct to Dec	UCB-KSH-81-0065 UCB Hagen, K S	SAME
	South Africa UCB	CA Santa Clara 23 A 1 May	UCB-KSH-81-0026 UCB Hagen, K S	SAME
				Pulvinaria delotti Gill

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Exochomus flavipes (Thunberg) Coleoptera Coccinellidae	South Africa UCB	CA Ventura 15 A 1 Dec	UCB-KSH-81-0078 UCB Hagen, K S	Pulvinariella mesembryanthemi (Vallot) ice plant scale
Glyptapanteles flavicoxis (Marsh) Hymenoptera Braconidae	India CIBCIS/GR	DE New Castle 202 A 1 Aug	BIRL-81-0191 BIRL Fuester, R W Schaefer, P W	Lymantria dispar (Linnaeus) gypsy moth
	India CIBCIS/GR	DE New Castle 1279 A 1 Oct	BIRL-81-0192 BIRL Taylor, P B	SAME
	India BIRL CIBCIS/GR	NJ Monmouth 15000e A 1 Oct	NJDA-RJC-81-0014-2 NJDA Bullock, R H	Pieris rapae (Linnaeus) imported cabbageworm
	India BIRL CIBCIS/GR	NJ Ocean 21175e A 1 Sep	NJDA-RJC-81-0014-1 NJDA Bullock, R H	Hyphantria cunea (Drury) fall webworm
Glyptapanteles harrisinae (Muesebeck) Hymenoptera Braconidae	CA, San Diego CABCSP/BV	CA Fresno 24857 A 8 May to Sep	CABCSP-CDH-81-0004-4 CABCSP Villegas, B	Harrisina brillians Barnes & McDunnough western grapeleaf skeletonizer
	CA, San Diego CABCSP/BV	CA Kern 1795 A 1 Jul to Aug	CABCSP-CDH-81-0004-1 CABCSP Villegas, B	SAME

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Glyptapanteles harrisinae (Muesebeck) Hymenoptera Braconidae	CA, San Diego CABCSP/BV	CA Kings 7579 A Jun to Aug	5	CABCSP-CDH-81-0004-3 CABCSP Villegas, B	Harrisina brillians Barnes & McDunnough western grapeleaf skeletonizer
	CA, San Diego CABCSP/BV	CA Madera 307 A Sep	1	CABCSP-CDH-81-0004-5 CABCSP Villegas, B	SAME
	CA, San Diego CABCSP/BV	CA Tulare 42419 A May to Sep	8	CABCSP-CDH-81-0004-2 CABCSP Villegas, B	SAME
Goniozus legneri Gordh Hymenoptera Bethylidae	Uruguay UCR	AZ Yuma 1750e A Sep to Oct	2	UCR-EFL-81-0021 UCR Legner, E F	Pectinophora gossypiella (Saunders) pink bollworm
	Uruguay UCR	CA Butte 570 A May	2	UCR-EFL-81-0009 UCR Legner, E F Medved, R A	Amyelois transitella (Walker) navel orangeworm
	Uruguay UCR	CA Butte 942 A Jul	3	UCR-EFL-81-0014 UCR Legner, E F Warkentin, R W	SAME
	Uruguay UCR	CA Fresno 440 A May	2	UCR-EFL-81-0006 UCR Legner, E F Warkentin, R W	SAME
	Uruguay UCR	CA Imperial 8020e A Oct	2	UCR-EFL-81-0021 UCR Legner, E F	Pectinophora gossypiella (Saunders) pink bollworm

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Goniozus legneri Gordh Hymenoptera Bethylidae	Uruguay UCR	CA Merced 275 A 3 Jul	UCR-EFL-81-0012 UCR Legner, E F Warkentin, R W	Amyelois transitella (Walker) navel orangeworm
	Uruguay UCR	CA Riverside 1750e A 2 Sep to Oct	UCR-EFL-81-0021 UCR Legner, E F	Pectinophora gossypiella (Saunders) pink bollworm
	Uruguay UCR	CA Tulare 630 A 1 Apr	UCR-EFL-81-0003 UCR Legner, E F Toy, S	Amyelois transitella (Walker) navel orangeworm
	Uruguay UCR	CA Tulare 151 A 1 Aug	UCR-EFL-81-0018 UCR Legner, E F Medved, R A	SAME
Grypocentrus albipes Ruthe Hymenoptera Ichneumonidae	Austria Czechoslovakia CIBCESAU/EA	PA Chester 183 A 1 May to Jun	BIRL-81-0163 BIRL Taylor, P B	Fenusa pusilla (Lepeletier) birch leafminer
	Austria CIBCESAU/EA	PA Monroe 624 A 1 Aug to Oct	BIRL-81-0166 BIRL Fuester, R W	SAME
Habrolepis sp. Hymenoptera Encyrtidae	Ethiopia UCR	CA Imperial 300 A 3 May	UCR-RFL-81-0016 UCR Luck, R F	Aonidiella aurantii (Maskell) California red scale

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Habrolepis sp. Hymenoptera Encyrtidae	Ethiopia UCR	CA Imperial 25 A Aug	1	UCR-RFL-81-0049-1 UCR Luck, R F	Aonidiella aurantii (Maskell) California red scale
	?Ethiopia UCR	CA Imperial 70 A Aug	1	UCR-RFL-81-0050-1 UCR Luck, R F	SAME
	Ethiopia UCR	CA Imperial 25 A Sep	1	UCR-RFL-81-0049-2 UCR Luck, R F	SAME
	?Ethiopia UCR	CA Imperial 25 A Sep	1	UCR-RFL-81-0050-2 UCR Luck, R F	SAME
	Ethiopia UCR	CA Imperial 30 A Oct	1	UCR-RFL-81-0049-3 UCR Luck, R F	SAME
	Ethiopia UCR	CA Orange 130 A Apr	2	UCR-RFL-81-0008 UCR Luck, R F	SAME
	Ethiopia UCR	CA Orange 75 A Jul	1	UCR-RFL-81-0031-1 UCR Luck, R F	SAME
	?China (PRC) UCR	CA Orange 50 A Jul	1	UCR-RFL-81-0032-1 UCR Luck, R F	SAME
	Ethiopia UCR	CA Orange 50 A Sep	2	UCR-RFL-81-0031 UCR Luck, R F	SAME

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Habrolepis sp. Hymenoptera Encyrtidae	?Ethiopia UCR	CA Orange 40 A 1 Oct	UCR-RFL-81-0032-2 UCR Luck, R F	Aonidiella aurantii (Maskell) California red scale
	Ethiopia UCR	CA Riverside 177 A 5 Feb	UCR-RFL-81-0002 UCR Luck, R F	SAME
	Ethiopia UCR	CA Riverside 15 A 1 May	UCR-RFL-81-0018 UCR Luck, R F	SAME
	Ethiopia UCR	CA Riverside 55 A 1 Jun	UCR-RFL-81-0002-6 UCR Luck, R F	SAME
	?Ethiopia UCR	CA Riverside 25 A 1 Jul	UCR-RFL-81-0041-1 UCR Luck, R F	SAME
	Ethiopia UCR	CA Riverside 35 A 1 Jul	UCR-RFL-81-0042-1 UCR Luck, R F	SAME
	?Ethiopia UCR	CA Riverside 40 A 1 Aug	UCR-RFL-81-0041-2 UCR Luck, R F	SAME
	Ethiopia UCR	CA Riverside 70 A 2 Aug	UCR-RFL-81-0042 UCR Luck, R F	SAME
	Ethiopia UCR	CA Tulare 115 A 2 Apr	UCR-RFL-81-0013 UCR Luck, R F	SAME

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Habrolepis sp. Hymenoptera Encyrtidae	Ethiopia UCR	CA Tulare 110 A 1 Jun	UCR-RFL-81-0019 UCR Luck, R F	Aonidiella aurantii (Maskell) California red scale
	?Ethiopia UCR	CA Tulare 50 A 1 Aug	UCR-RFL-81-0054 UCR Luck, R F	SAME
	Ethiopia UCR	CA Tulare 35 A 1 Aug	UCR-RFL-81-0055 UCR Luck, R F	SAME
	Ethiopia UCR	CA Ventura 185 A 3 Mar	UCR-RFL-81-0006 UCR Luck, R F	SAME
	Ethiopia UCR	CA Ventura 60 A 1 Jul	UCR-RFL-81-0036-1 UCR Luck, R F	SAME
	?Ethiopia UCR	CA Ventura 85 A 1 Jul	UCR-RFL-81-0037-1 UCR Luck, R F	SAME
	Ethiopia UCR	CA Ventura 25 A 1 Aug	UCR-RFL-81-0036-2 UCR Luck, R F	SAME
	?Ethiopia UCR	CA Ventura 25 A 1 Aug	UCR-RFL-81-0037-2 UCR Luck, R F	SAME
	Ethiopia UCR	CA Ventura 30 A 1 Sep	UCR-RFL-81-0036-3 UCR Luck, R F	SAME

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Habrolepis sp. Hymenoptera Encyrtidae	?Ethiopia UCR	CA Ventura 50 A 1 Sep	UCR-RFL-81-0037-3 UCR Luck, R F	Aonidiella aurantii (Maskell) California red scale
	Ethiopia UCR	CA Ventura 50 A 1 Oct	UCR-RFL-81-0036-4 UCR Luck, R F	SAME
	?Ethiopia UCR	CA Ventura 20 A 1 Oct	UCR-RFL-81-0037-4 UCR Luck, R F	SAME
Harmonia axyridis Pallas Coleoptera Coccinellidae	Japan, Kyushu BIRL APL JAKU/RA	GA Houston 80e L 1 Sep to Nov NOTE: 042	SFTNRL-WLT-81-0002-2 SFTNRL Tedders, W L	Monellia caryella (Fitch) blackmargined aphid Monelliopsis pecanis Bissell
	Japan, Kyushu BIRL APL JAKU/RA	GA Peach 1684e L 1 Sep to Nov NOTE: 042	SFTNRL-WLT-81-0002-1 SFTNRL Tedders, W L	Monellia caryella (Fitch) blackmargined aphid Monelliopsis pecanis Bissell
	Japan, Hokkaido USSR, Russian SFSR APL/ URAIPQ/VNK	MD Prince Georges 35 L 1 Jun NOTE: 049	BIRL-81-0059 BIIL NL Schroder, R F W Nickle, W R	N/A NOTE: 049
	Japan, Kyushu BIRL APL JAKU/RA	MD Prince Georges 60 A,L 1 Jul NOTE: 049	BIRL-PWS-81-0082 BIIL NL Schroder, R F W Nickle, W R	SAME

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Harmonia axyridis Pallas Coleoptera Coccinellidae	Japan, Kyushu BIRL APL JAKU/RA	MD Prince Georges 91 A,L 1 Jul NOTE: 049	BIRL-PWS-81-0089 BIIL NL Schroder, R F W Nickle, W R	N/A NOTE: 049
	USSR, Russian SFSR Japan, Kyushu BIRL URAIPQ/VNK APL JAKU/RA	MD Prince Georges 92 A,L 1 Jul NOTE: 049	BIRL-PWS-81-0093 BIIL NL Schroder, R F W Nickle, W R	SAME
	Japan, Hokkaido USSR, Russian SFSR APL/ URAIPQ/VNK	ME Hancock 165 A 1 Jun	BIRL-81-0058 MEFS Dearborn, R G Bradbury, R L	Cryptococcus fagisuga Lindinger beech scale aphids
	Japan, Hokkaido USSR, Russian SFSR APL/ URAIPQ/VNK	ME Hancock 64 A 1 Jun	BIRL-81-0064 MEFS Bradbury, R L	Cryptococcus fagisuga Lindinger beech scale aphids
	Japan, Hokkaido USSR, Russian SFSR APL/ URAIPQ/VNK	ME Hancock 378 A 1 Jul	BIRL-81-0079 MEFS Waterman, R	Cryptococcus fagisuga Lindinger beech scale aphids
	USSR, Russian SFSR Japan, Kyushu BIRL URAIPQ/VNK APL JAKU/RA	ME Hancock 668e ALL 1 Sep	BIRL-PWS-81-0120 MEFS Bradbury, R L	Cinara strobi (Fitch) white pine aphid aphids, arboreal

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Harmonia axyridis Pallas Coleoptera Coccinellidae	USSR, Russian SFSR BIRL URAIPQ/VNK	ME Hancock 333 A,L,P 1 Sep	BIRL-PWS-81-0134 MEFS Bradbury, R L	aphids, arboreal
	Japan BIRL	WA Chelan 273 A 1 Apr to Jul	YARL-REF-81-0006 YARL Fye, R E	Psylla pyricola Förster pear psylla
	Japan BIRL	WA Klickitat 6210 A,L 1 Apr to Aug	YARL-REF-81-0003 YARL Fye, R E	SAME
	Japan BIRL	WA Yakima 8711 L 1 Apr to Aug	YARL-REF-81-0009 YARL Fye, R E	SAME
	Japan BIRL	WA Yakima 8282 L 1 Apr to Aug	YARL-REF-81-0010 YARL Fye, R E	SAME
Harmonia conformis (Boisduval) Coleoptera Coccinellidae	Australia YARL UCB	GA Peach 1789 L 1 Aug to Nov NOTE: 042	SFTNRL-WLT-81-0001 SFTNRL Tedders, W L	Monellia caryella (Fitch) blackmargined aphid Monelliopsis pecanis Bissell
	Australia YARL UCB	MD Prince Georges 45 A 1 Jul NOTE: 049	BIRL-PWS-81-0090 BIIL NL Schroder, R F W Nickle, W R	N/A NOTE: 049

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Harmonia conformis (Boisduval) Coleoptera Coccinellidae	Australia YARL UCB	MD Prince Georges 25 A 1 Jul NOTE: 049	BIRL-PWS-81-0094 BIIL NL Schroder, R F W Nickle, W R	N/A NOTE: 049
	Australia YARL UCB	ME Hancock 135 A,P 1 Jun	BIRL-PWS-81-0057 MEFS Dearborn, R G Bradbury, R L *	Cinara strobi (Fitch) white pine aphid
	Australia YARL UCB	ME Hancock 187 A 1 Jun	BIRL-PWS-81-0063 MEFS Bradbury, R L	SAME
	Australia YARL UCB	ME Hancock 922 A,E 1 Jul	BIRL-PWS-81-0080 MEFS Waterman, R	SAME
	Australia YARL UCB	ME Hancock 576 ALL 1 Sep	BIRL-PWS-81-0121 MEFS Bradbury, R L	SAME
	Australia YARL UCB	ME Hancock 124 L,P,A 1 Sep	BIRL-PWS-81-0135 MEFS Bradbury, R L	SAME
	Australia UCB	WA Chelan 179 A 1 Jul	YARL-REF-81-0018 YARL Fye, R E	Psylla pyricola Förster pear psylla
	Australia UCB	WA Klickitat 1139 A,L 1 May to Aug	YARL-REF-81-0013 YARL Fye, R E	SAME

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Harmonia conformis (Boisduval) Coleoptera Coccinellidae	Australia UCB	WA Yakima 2926 L 1 Jun to Jul	YARL-REF-81-0014 YARL Fye, R E	Psylla pyricola Förster pear psylla
	Australia UCB	WA Yakima 1486 L 1 Jun to Jul	YARL-REF-81-0015 YARL Fye, R E	SAME
Hexamermis sp. Enoplida Mermithidae	Peru UMD/AG	MD Prince Georges 100e A,J 1 Apr NOTE: 080	NL-81-0001 NL Nickle, W R	Diabrotica undecimpunctata howardi Barber southern corn rootworm other test hosts; see NOTE: 080
	Austria AUUG/HK	MD Prince Georges 125e A,J 1 Jun NOTE: 080	NL-81-0002 NL Nickle, W R	Leptinotarsa decemlineata (Say) Colorado potato beetle other test hosts; see NOTE: 080
Hyperaspis senegalensis hottentotta Mulsant Coleoptera Coccinellidae	South Africa UCB	CA Alameda 1865 A ? Apr to Jun	UCB-KSH-81-0019 UCB Hagen, K S	Pulvinariella mesembryanthemi (Vallot) ice plant scale Pulvinaria delotti Gill
	South Africa UCB	CA Alameda 503 A ? Dec	UCB-KSH-81-0079 UCB Hagen, K S	Pulvinariella mesembryanthemi (Vallot) ice plant scale Pulvinaria delotti Gill

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Hyperaspis senegalensis hottentotta Mulsant Coleoptera Coccinellidae	South Africa UCB	CA Los Angeles 1098 A ? May	UCB-KSH-81-0028 UCB Hagen, K S	Pulvinariella mesembryanthemi (Vallot) ice plant scale
	South Africa UCB	CA Los Angeles 1347 A ? Oct	UCB-KSH-81-0066 UCB Hagen, K S	SAME
	South Africa UCB	CA Monterey 2580 A ? Jan to Jun	UCB-KSH-81-0003 UCB Hagen, K S	Pulvinaria delotti Gill Pulvinariella mesembryanthemi (Vallot) ice plant scale
	South Africa UCB	CA Monterey 300e A ? Oct	UCB-KSH-81-0067 UCB Hagen, K S	SAME Pulvinaria delotti Gill
	South Africa UCB	CA Orange 511 A ? Apr	UCB-KSH-81-0020 UCB Hagen, K S	Pulvinariella mesembryanthemi (Vallot) ice plant scale
	South Africa UCB	CA Orange 1230e A ? Sep	UCB-KSH-81-0059 UCB Hagen, K S	SAME
	South Africa UCB	CA Sacramento 369 A ? Jun	UCB-KSH-81-0036 UCB Hagen, K S	SAME

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Hyperaspis senegalensis hottentotta Mulsant Coleoptera Coccinellidae	South Africa UCB	CA Sacramento 369 A ? Sep	UCB-KSH-81-0060 UCB Hagen, K S	Pulvinariella mesembryanthemi (Vallot) ice plant scale
	South Africa UCB	CA San Luis Obispo 646 A ? Nov to Dec	UCB-KSH-81-0076 UCB Hagen, K S	SAME
	South Africa UCB	CA Santa Barbara 822 A ? Oct to Dec	UCB-KSH-81-0068 UCB Hagen, K S	SAME
	South Africa UCB	CA Santa Clara 546 A ? May	UCB-KSH-81-0029 UCB Hagen, K S	SAME
				Pulvinaria delotti Gill
	South Africa UCB	CA Ventura 550e A ? Dec	UCB-KSH-81-0080 UCB Hagen, K S	Pulvinariella mesembryanthemi (Vallot) ice plant scale
Iphiaulax sp. Hymenoptera Braconidae	Mexico BCIRL	FL Palm Beach 450e PHL,A 1 Oct	UMO-RLK-81-0002 USSFS Sosa, O	Diatraea saccharalis (Fabricius) sugarcane borer
	Mexico BCIRL	MO New Madrid 500e A 1	UMO-RLK-81-0003 UMO Lee, J H	Diatraea grandiosella (Dyar) southwestern corn borer

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Iphiseius degenerans (Berlese) Parasitiformes Phytoseiidae	Italy UCR	CA Los Angeles 300e A,N 1 Mar	UCR-JAM-81-0007 UCR Johnson, H G	Panonychus citri McGregor citrus red mite
	Italy UCR	CA Orange 800e A,N 1 Oct	UCR-JAM-81-0061 UCR Johnson, H G	Polyphagotarsonemus latus (Banks) broad mite
	Italy UCR	CA San Diego 1700e A,N 1 Apr	UCR-JAM-81-0017 UCR Johnson, H G	Panonychus citri McGregor citrus red mite
	Italy UCR	CA San Diego 1100e A,N 1 Jun	UCR-JAM-81-0033 UCR Johnson, H G	Oligonychus punicae (Hirst) avocado brown mite
	Italy UCR	CA San Diego 7200e A,N 2 Jul	UCR-JAM-81-0044 UCR Johnson, H G	SAME
	Italy UCR	CA San Diego 2000e A,N 1 Sep	UCR-JAM-81-0055 UCR Johnson, H G	Panonychus citri McGregor citrus red mite
Larra bicolor (Fabricius) Hymenoptera Sphecidae	USA PR UFG/JLC	FL Alachua 33 A 1 Jun NOTE: 120	FBCL-81-0007 UFG Sailer, R I Castner, J L	Scapteriscus vicinus Scudder tawny mole cricket Scapteriscus acletus Rehn & Hebard southern mole cricket

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Larra bicolor (Fabricius) Hymenoptera Sphecidae	USA PR UFG UFFL/JAR UFG/JLC	FL Broward 130e A 1 Jun NOTE: 124	FBCL-81-0003 UFFL Reinert, J A	Scapteriscus acletus Rehn & Hebard southern mole cricket Scapteriscus vicinus Scudder tawny mole cricket
	USA PR UFG UFFL/JAR UFG/RIS	FL Hillsborough 140 A 1 Jun	FBCL-81-0002 UFG Sailer, R I	SAME Scapteriscus acletus Rehn & Hebard southern mole cricket
	USA PR UFG UFFL/JAR UFG/RIS	FL Hillsborough 6 A 1 Jun	FBCL-81-0008 UFG Sailer, R I	SAME Scapteriscus vicinus Scudder tawny mole cricket
Lathrolestes minutus (Bridgman) Hymenoptera Ichneumonidae	Austria Czechoslovakia CIBCESAU/EA	DE New Castle 86 A 1 May to Jun	BIRL-81-0162 BIRL Taylor, P B	Fenusa pusilla (Lepeletier) birch leafminer
	Austria Czechoslovakia CIBCES CIBCESAU/EA CIBCESAU/LH	NJ Burlington 704 A 1 Sep to Oct	BIRL-81-0174 BIRL Taylor, P B	SAME

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Lathrolestes minutus (Bridgman) Hymenoptera Ichneumonidae	Austria Czechoslovakia CIBCES CIBCESAU/EA CIBCESAU/LH	PA Monroe 1156 A 1 Aug to Sep	BIRL-81-0164 BIRL Fuester, R W	Fenusa pusilla (Lepeletier) birch leafminer
Lemophagus curtus Townes Hymenoptera Ichneumonidae	MI, Berrien PPQNMI/	NC Chatham 160e A 1 Apr	PPQNMI-TLB-81-0114 NCDA Galloway, R H	Oulema melanopus (Linnaeus) cereal leaf beetle
	MI, Berrien PPQNMI/	NC Davie 15 A 1 May	PPQNMI-TLB-81-0439 NCDA Mitchell, J R	SAME
	MI, Berrien PPQNMI/	VA Hanover 50 A 1 May	PPQNMI-TLB-81-0584 VADACS Tate, J R	SAME
Lophyroplectus oblongopunctatus (Hartig) Hymenoptera Ichneumonidae	WI, Walworth WIDNR/DJH	WI Waukesha 400 A 2 May NOTE: 118	WIDNR-DJH-81-0001 WIDNR Hall, D J	Neodiprion sertifer (Geoffroy) European pine sawfly
Menochilus quadriplagiatus (Swartz) Coleoptera Coccinellidae	Hong Kong BIRL	WA Chelan 1038 A 1 Apr to Jul	YARL-REF-81-0007 YARL Fye, R E	Psylla pyricola Förster pear psylla
	Hong Kong BIRL	WA Klickitat 15546 A,L 1 Apr to Aug	YARL-REF-81-0005 YARL Fye, R E	SAME

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Menochilus quadriplagiatus (Swartz) Coleoptera Coccinellidae	Hong Kong BIRL	WA Yakima 31430 A,L 1 Mar to Aug	YARL-REF-81-0002 YARL Fye, R E	Psylla pyricola Förster pear psylla
	Hong Kong BIRL	WA Yakima 35013 A,L 1 Apr to Aug	YARL-REF-81-0008 YARL Fye, R E	SAME
Metaphycus funicularis Annecke Hymenoptera Encyrtidae	South Africa UCB	CA Alameda 2700e A ? Apr to Jun	UCB-KSH-81-0018 UCB Hagen, K S	Pulvinariella mesembryanthemi (Vallot) ice plant scale Pulvinaria delotti Gill
	South Africa UCB	CA Alameda 1000e A ? Dec	UCB-KSH-81-0081 UCB Hagen, K S	Pulvinariella mesembryanthemi (Vallot) ice plant scale Pulvinaria delotti Gill
	South Africa UCB	CA Los Angeles 6800e A ? Oct	UCB-KSH-81-0069 UCB Hagen, K S	Pulvinariella mesembryanthemi (Vallot) ice plant scale
	South Africa UCB	CA Monterey 10955 A ? Jun	UCB-KSH-81-0035 UCB Hagen, K S	SAME Pulvinaria delotti Gill

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Metaphycus funicularis Annecke Hymenoptera Encyrtidae	South Africa UCB	CA Monterey 600e A ? Jul	UCB-KSH-81-0050 UCB Hagen, K S	Pulvinariella mesembryanthemi (Vallot) ice plant scale Pulvinaria delotti Gill
	South Africa UCB	CA Orange 2300e A ? Sep	UCB-KSH-81-0061 UCB Hagen, K S	Pulvinariella mesembryanthemi (Vallot) ice plant scale
	South Africa UCB	CA San Luis Obispo 6600e A ? Nov to Dec	UCB-KSH-81-0077 UCB Hagen, K S	SAME
	South Africa UCB	CA San Mateo 1000e A ? Feb	UCB-KSH-81-0010 UCB Hagen, K S	SAME Pulvinaria delotti Gill
	South Africa UCB	CA Santa Barbara 4350e A ? Oct to Dec	UCB-KSH-81-0070 UCB Hagen, K S	Pulvinariella mesembryanthemi (Vallot) ice plant scale
	South Africa UCB	CA Santa Clara 9700e A ? May	UCB-KSH-81-0027 UCB Hagen, K S	SAME Pulvinaria delotti Gill

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Metaphycus funicularis Annecke Hymenoptera Encyrtidae	South Africa UCB	CA Sonoma 125 A 1 Oct	UCB-KSH-81-0071 UCB Hagen, K S	Pulvinariella mesembryanthemi (Vallot) ice plant scale
	South Africa UCB	CA Ventura 3000e A ? Dec	UCB-KSH-81-0082 UCB Hagen, K S	SAME
Metaphycus stramineus (Compere) Hymenoptera Encyrtidae	South Africa UCB	CA Los Angeles 1400e A ? Oct	UCB-KSH-81-0072 UCB Hagen, K S	SAME
	South Africa UCB	CA Monterey 17290e A ? Jan to Jun	UCB-KSH-81-0002 UCB Hagen, K S	SAME Pulvinaria delotti Gill
	South Africa UCB	CA Monterey 200e A ? Jul	UCB-KSH-81-0051 UCB Hagen, K S	Pulvinariella mesembryanthemi (Vallot) ice plant scale Pulvinaria delotti Gill
	South Africa UCB	CA Orange 400e A ? Sep	UCB-KSH-81-0062 UCB Hagen, K S	Pulvinariella mesembryanthemi (Vallot) ice plant scale

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Metaphycus stramineus (Compere) Hymenoptera Encyrtidae	South Africa UCB	CA Sacramento 200e A ? Sep	UCB-KSH-81-0063 UCB Hagen, K S	Pulvinariella mesembryanthemi (Vallot) ice plant scale
	South Africa UCB	CA San Luis Obispo 4450e A ? Dec	UCB-KSH-81-0083 UCB Hagen, K S	SAME
	South Africa UCB	CA San Mateo 1200e A ? Feb	UCB-KSH-81-0011 UCB Hagen, K S	Pulvinaria delotti Gill Pulvinariella mesembryanthemi (Vallot) ice plant scale
	South Africa UCB	CA Santa Barbara 3150e A ? Dec	UCB-KSH-81-0084 UCB Hagen, K S	SAME
	South Africa UCB	CA Sonoma 125e A 1 Dec	UCB-KSH-81-0085 UCB Hagen, K S	SAME
	South Africa UCB	CA Ventura 420e A ? Dec	UCB-KSH-81-0086 UCB Hagen, K S	SAME
Meteorus pulchricornis (Wesmael) Hymenoptera Braconidae	? ?	VA Chesapeake 100e A 1 Oct	VADACSVB-BAH-81-0273 VADACSVB Hayes, B A	?

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Meteorus pulchricornis (Wesmael) Hymenoptera Braconidae	? ?	VA Clarke 200e A 1 Apr	VADACS-JRT-81-1001 ? Thomson, E L	?
	? ?	VA Clarke 300e A 1 Jul	VADACS-JRT-81-0024 ? Morris, R H	SAME
	? ?	VA Clarke 475 A 1 Jul	VADACS-JRT-81-0027 ? Morris, R H	SAME
	? ?	VA Clarke 400e A 1 Jul	VADACS-JRT-81-0028 ? Morris, R H	SAME
	? ?	VA Clarke 300e A 1 Aug	VADACS-JRT-81-0037 ? Thomson, E L	SAME
	? ?	VA Culpeper 678 A 1 Aug	VADACS-JRT-81-0034 ? Morris, R H	SAME
	? ?	VA Culpeper 400e A 1 Sep	VADACSVB-BAH-81-0214 ? Morris, R H	SAME
	? ?	VA Fairfax 200e A 1 Jun	VADACS-JRT-81-0017 ? Morris, R H	Lymantria dispar (Linnaeus) gypsy moth
	? ?	VA Fairfax 400e A 1 Jun	VADACS-JRT-81-0018 ? Morris, R H	SAME

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Meteorus pulchricornis (Wesmael) Hymenoptera Braconidae	? ?	VA Fairfax City 300e A 1 Jun	VADACSVB-BAH-81-0061 ? Morris, R H	Lymantria dispar (Linnaeus) gypsy moth
	? ?	VA Fairfax City 100e A 1 Aug	VADACSVB-BAH-81-0174 ? Morris, R H	?
	? ?	VA Fairfax City 300e A 1 Sep	VADACSVB-BAH-81-0242 ? Thomson, E L	SAME
	? ?	VA Fauquier 584 A 1 Jun	VADACS-JRT-81-0021 ? Morris, R H	Lymantria dispar (Linnaeus) gypsy moth
	? ?	VA Fauquier 100e A 1 Jun	VADACSVB-BAH-81-0087 ? Morris, R H	SAME
	? ?	VA Fauquier 400e A 1 Jun	VADACSVB-BAH-81-0088 ? Morris, R H	SAME
	? ?	VA Fauquier 300e A 1 Jul	VADACS-JRT-81-0031 ? Thomson, E L	?
	? ?	VA Fauquier 300e A 1 Jul	VADACSVB-BAH-81-0105 VADACSVB Morris, R H	SAME
	? ?	VA Fauquier 250e A 1 Jul	VADACSVB-BAH-81-0131 VADACSVB Morris, R H	SAME

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Meteorus pulchricornis (Wesmael) Hymenoptera Braconidae	? ?	VA Fauquier 100e A 1 Jul	VADACSVB-BAH-81-0152 ? Thomson, E L	?
	? ?	VA Fauquier 250e A 1 Aug	VADACS-JRT-81-0032 ? Morris, R H	SAME
	? ?	VA Fauquier 86 A 1 Aug	VADACS-JRT-81-0038 ? Thomson, E L	SAME
	? ?	VA Fauquier 300e A 1 Aug	VADACSVB-BAH-81-0162 ? Thomson, E L	SAME
	? ?	VA Fauquier 100e A 1 Aug	VADACSVB-BAH-81-0173 ? Thomson, E L	SAME
	? ?	VA Fauquier 600e A 1 Aug	VADACSVB-BAH-81-0199 ? Thomson, E L	SAME
	? ?	VA Floyd 400e A 1 May	VADACS-JRT-81-0003 ?	SAME
	? ?	VA Floyd 200e A 1 May	VADACS-JRT-81-1005 ?	SAME
	? ?	VA Floyd 200e A 1 May	VADACS-JRT-81-2006 ? Eggborn, W P	Lymantria dispar (Linnaeus) gypsy moth

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Meteorus pulchricornis (Wesmael) Hymenoptera Braconidae	? ?	VA Floyd 200e A 1 May	VADACSVB-BAH-81-0020 VADACSVB	?
	? ?	VA Floyd 200e A 1 Jun	VADACS-JRT-81-0013 ?	SAME
	? ?	VA Loudoun 200e A 1 Jul	VADACS-JRT-81-0022 ? Morris, R H	SAME
	? ?	VA Lunenburg 100e A 1 May	VADACS-JRT-81-0009 ? Mitchell, W H	Lymantria dispar (Linnaeus) gypsy moth
	? ?	VA Lunenburg 200e A 1 May	VADACS-JRT-81-1006 ? Eggborn, W P	SAME
	? ?	VA Lunenburg 300e A 1 Jun	VADACS-JRT-81-0014 ? Mitchell, W H	SAME
	? ?	VA Lunenburg 200e A 1 Jun	VADACSVB-BAH-81-0064 ? Mitchell, W H	SAME
	? ?	VA Montgomery 200e A 1 Jun	VADACS-JRT-81-0010 ? Miller, H S	?
	? ?	VA New Kent 122 A 1 Oct	VADACS-JRT-81-0045 ? Gregory, D	SAME

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Meteorus pulchricornis (Wesmael) Hymenoptera Braconidae	? ?	VA Northampton 100e A 1 Oct	VADACSVB-TMG-81-0007 VADACSVB Good, T M	?
	? ?	VA Prince William 200e A 1 May	VADACSVB-BAH-81-0038 ? Morris, R H	SAME
	? ?	VA Prince William 609 A 1 Sep	VADACS-JRT-81-0040 ? Thomson, E L	SAME
	? ?	VA Prince William 300e A 1 Sep	VADACSVB-BAH-81-0211 ? Thomson, E L	SAME
	? ?	VA Prince William 200e A 1 Sep	VADACSVB-BAH-81-0229 ? Thomson, E L	SAME
	? ?	VA Rockingham 300e A 1 May	VADACSVB-BAH-81-0029 ? Thomson, E L	SAME
	? ?	VA Spotsylvania 200e A 1 Oct	VADACS-JRT-81-0043 ? Morris, R H	SAME
	? ?	VA Virginia Beach 100e A 1 Apr	VADACSVB-BAH-81-0005 VADACSVB Hayes, B A	Malacosoma americanum (Fabricius) eastern tent caterpillar
	? ?	VA Virginia Beach 200e A 1 Apr	VADACSVB-TMG-81-0001 VADACSVB Good, T M	SAME

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Meteorus pulchricornis (Wesmael) Hymenoptera Braconidae	? ?	VA Virginia Beach 200e A 1 Jul	VADACSVB-BAH-81-0155 VADACSVB Hayes, B A	?
	? ?	VA Virginia Beach 100e A 1 Oct	VADACSVB-BAH-81-0253 VADACSVB Hayes, B A	SAME
	? ?	VA Virginia Beach 300e A 1 Oct	VADACSVB-BAH-81-0262 VADACSVB Hayes, B A	SAME
	? ?	VA Virginia Beach 100e A 1 Oct	VADACSVB-BAH-81-0270 VADACSVB Hayes, B A	SAME
Microctonus aethiopoides Loan Hymenoptera Braconidae	Iran UCB	CA Fresno 113 A 1 May	UCB-KSH-81-0031 UCB Hagen, K S	Hypera brunnipennis (Boheman) Egyptian alfalfa weevil
	Iran Afghanistan UCB	CA Lassen 15 A 1 Jul	UCB-KSH-81-0048 UCB Hagen, K S	Hypera postica (Gyllenhal) alfalfa weevil
	Iran UCB	CA Monterey 50 A ? Jan to Mar	UCB-KSH-81-0004 UCB Hagen, K S	Hypera brunnipennis (Boheman) Egyptian alfalfa weevil
	IN, Harrison PPQNEV/JC, WPH	IA Cass 86e PHA 1 May	PPQNMI-TLB-81-1461 PPQSCIV Wallerich, G E	Hypera postica (Gyllenhal) alfalfa weevil

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Microctonus aethiopoides Loan Hymenoptera Braconidae	IN, Harrison PPQNEV/JC, WPH	IA Cass 86e PHA May	1	PPQNMI-TLB-81-1462 PPQSCIV Wallerich, G E	Hypera postica (Gyllenhal) alfalfa weevil
	MI, Berrien PPQNMI/TLB, MCH	IA Clayton 600e PHA Jun	1	PPQNMI-TLB-81-1941 PPQSCIV Larson, R A	SAME
	MI, Berrien PPQNMI/TLB, MCH	IA Floyd 294e PHA May	1	PPQNMI-TLB-81-1876 IADA Carlson, C E	SAME
	MI, Berrien PPQNMI/TLB, MCH	IA Hancock 600e PHA Jun	1	PPQNMI-TLB-81-1961 PPQSCIV Larson, R A	SAME
	IN, Harrison PPQNEV/JC, WPH	IA Madison 86e PHA May	1	PPQNMI-TLB-81-1459 PPQSCIV Wallerich, G E	SAME
	IN, Harrison PPQNEV/JC, WPH	IA Madison 86e PHA May	1	PPQNMI-TLB-81-1460 PPQSCIV Wallerich, G E	SAME
	IN, Harrison PPQNEV/JC, WPH	IA Mahaska 86e PHA May	1	PPQNMI-TLB-81-1463 IADA Stoltenow, C R	SAME
	IN, Harrison PPQNEV/JC, WPH	IA Mahaska 86e PHA May	1	PPQNMI-TLB-81-1464 IADA Stoltenow, C R	SAME
	MI, Berrien PPQNMI/TLB, MCH	IA Sac 294e PHA May	1	PPQNMI-TLB-81-1872 PPQSCIV Wallerich, G E	SAME

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Microctonus aethiopoides Loan Hymenoptera Braconidae	MI, Berrien PPQNMI/TLB, MCH	IA Sac 294e PHA May	1	PPQNMI-TLB-81-1873 PPQSCIV Wallerich, G E	Hypera postica (Gyllenhal) alfalfa weevil
	MI, Berrien PPQNMI/TLB, MCH	IA Story 294e PHA May	1	PPQNMI-TLB-81-1874 PPQSCIV Wallerich, G E	SAME
	MI, Berrien PPQNMI/TLB, MCH	IA Story 294e PHA May	1	PPQNMI-TLB-81-1875 PPQSCIV Wallerich, G E	SAME
	MI, Berrien PPQNMI/TLB, MCH	IA Tama 294e PHA May	1	PPQNMI-TLB-81-1877 PPQSCIV Larson, R A	SAME
	MI, Berrien PPQNMI/TLB, MCH	IA Tama 294e PHA May	1	PPQNMI-TLB-81-1878 PPQSCIV Larson, R A	SAME
	KY, Oldham PPQSEIII/LMC, VJ	KY Hart 276e PHA May	1	PPQNMI-TLB-81-1276 PPQSEIII Conn, L M	SAME
	KY, Oldham PPQSEIII/LMC, VJ	KY Hart 276e PHA May	1	PPQNMI-TLB-81-1279 PPQSEIII Conn, L M	SAME
	KY, Oldham PPQSEIII/LMC, VJ	KY Hart 276e PHA May	1	PPQNMI-TLB-81-1332 PPQSEIII Conn, L M	SAME
	KY, Oldham PPQSEIII/LMC, VJ	KY Hart 276e PHA May	1	PPQNMI-TLB-81-1335 PPQSEIII Conn, L M	SAME

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Microctonus aethiopoides Loan Hymenoptera Braconidae	KY, Oldham PPQSEIII/LMC, VJ	MO Andrew 540e PHA Apr	1	PPQNMI-TLB-81-1270 MODA Burgess, L P	Hypera postica (Gyllenhal) alfalfa weevil
	MI, Berrien PPQNMI/TLB, MCH	MO Barry 588e PHA Jun	1	PPQNMI-TLB-81-1939 MODA Carmichael, O E	SAME
	MI, Berrien PPQNMI/TLB, MCH	MO Caldwell 294e PHA May	1	PPQNMI-TLB-81-1879 PPQSCIV Nichols, R W	SAME
	MI, Berrien PPQNMI/TLB, MCH	MO Caldwell 137e PHA May	1	PPQNMI-TLB-81-1880 PPQSCIV Nichols, R W	SAME
	KY, Oldham PPQSEIII/LMC, VJ	MO Cass 360e PHA Apr	1	PPQNMI-TLB-81-1266 MODA Dotson, J A	SAME
	MI, Berrien PPQNMI/TLB, MCH	MO Cedar 588e PHA May	1	PPQNMI-TLB-81-1930 PPQSCIV Brennecke, B J	SAME
	KY, Oldham PPQSEIII/LMC, VJ	MO Chariton 270e PHA Apr	1	PPQNMI-TLB-81-1157 PPQSCIV Wallerich, J L	SAME
	KY, Oldham PPQSEIII/LMC, VJ	MO Chariton 270e PHA Apr	1	PPQNMI-TLB-81-1160 PPQSCIV Wallerich, J L	SAME
	KY, Oldham PPQSEIII/LMC, VJ	MO Greene 450e PHA Apr	1	PPQNMI-TLB-81-1171 PPQSCIV Nichols, R W	SAME

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Microctonus aethiopoides Loan Hymenoptera Braconidae	MI, Berrien PPQNMI/TLB, MCH	MO Harrison 588e PHA May	1	PPQNMI-TLB-81-1931 PPQSCIV Nichols, R W	Hypera postica (Gyllenhal) alfalfa weevil
	MI, Berrien PPQNMI/TLB, MCH	MO Harrison 588e PHA May	1	PPQNMI-TLB-81-1935 PPQSCIV Nichols, R W	SAME
	KY, Oldham PPQSEIII/LMC, VJ	MO Johnson 180e PHA Apr	1	PPQNMI-TLB-81-1169 PPQSCIV Nichols, R W	SAME
	KY, Oldham PPQSEIII/LMC, VJ	MO Laclede 270e PHA Apr	1	PPQNMI-TLB-81-1163 PPQSCIV Brennecke, B J	SAME
	KY, Oldham PPQSEIII/LMC, VJ	MO Laclede 270e PHA Apr	1	PPQNMI-TLB-81-1166 PPQSCIV Brennecke, B J	SAME
	MI, Berrien PPQNMI/TLB, MCH	MO Laclede 294e PHA May	1	PPQNMI-TLB-81-1929 PPQSCIV Brennecke, B J	SAME
	MI, Berrien PPQNMI/TLB, MCH	MO Nodaway 588e PHA May	1	PPQNMI-TLB-81-1933 PPQSCIV Nichols, R W	SAME
	MI, Berrrien PPQNMI/TLB, MCH	MO Nodaway 588e PHA May	1	PPQNMI-TLB-81-1937 PPQSCIV Nichols, R W	SAME
	MI, Berrien PPQNMI/TLB, MCH	WI Chippewa 210e PHA May	1	PPQNMI-TLB-81-1866 PPQNEV Neff, C W	SAME

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Microctonus aethiopoides Loan Hymenoptera Braconidae	MI, Berrien PPQNMI/TLB, MCH	WI Chippewa 210e PHA May	1	PPQNMI-TLB-81-1867 PPQNEV Neff, C W	Hypera postica (Gyllenhal) alfalfa weevil
	MI, Berrien PPQNMI/TLB, MCH	WI St. Croix 478 PHA Jun	1	PPQNMI-TLB-81-1963 PPQNEV Neff, C W	SAME
	MI, Berrien PPQNMI/TLB, MCH	WI Trempealeau 600e PHA Jun	1	PPQNMI-TLB-81-1943 PPQNEV Neff, C W	SAME
	MI, Berrien PPQNMI/TLB, MCH	WI Trempealeau 600e PHA Jun	1	PPQNMI-TLB-81-1945 PPQNEV Neff, C W	SAME
	IN, Harrison PPQNEV/JC, WPH	WV Hardy 86e PHA May	1	PPQNMI-TLB-81-1697 PPQNEVII Tustin, A E	SAME
	IN, Harrison PPQNEV/JC, WPH	WV Hardy 86e PHA May	1	PPQNMI-TLB-81-1698 PPQNEVII Tustin, A E	SAME
	IN, Harrison PPQNEV/JC, WPH	WV Monongalia 86e PHA May	1	PPQNMI-TLB-81-1699 WVU Weaver, J E	SAME
	IN, Harrison PPQNEV/JC, WPH	WV Monongalia 86e PHA May	1	PPQNMI-TLB-81-1700 WVU Weaver, J E	SAME
	IN, Harrison PPQNEV/JC, WPH	WV Monongalia 86e PHA May	1	PPQNMI-TLB-81-1701 WVU Weaver, J E	SAME

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Microctonus aethiopoides Loan Hymenoptera Braconidae	IN, Harrison PPQNEV/JC, WPH	WV Preston 86e PHA 1 May	PPQNMI-TLB-81-1702 WVU Weaver, J E	Hypera postica (Gyllenhal) alfalfa weevil
	IN, Harrison PPQNEV/JC, WPH	WV Preston 86e PHA 1 May	PPQNMI-TLB-81-1703 WVU Weaver, J E	SAME
Microctonus colesi Drea Hymenoptera Braconidae	KY IN MI PPQ/	IA ? PHL&A ? Apr to Jun NOTE: 026	PPQNMI-TLB-81-1003	SAME
	KY IN PPQ/	IL ? ? Apr to May NOTE: 026	PPQNMI-TLB-81-1136	SAME
	KY IN PPQ/	IN ? PHL&A ? Apr to May NOTE: 026	PPQNMI-TLB-81-1303	SAME
	KY, Oldham PPQSEIII/LMC, VJ	KY ? PHL&A ? Apr to May NOTE: 026	PPQNMI-TLB-81-1179	SAME
	IN WI PPQ/	MI ? PHL ? May to Jun NOTE: 026	PPQNMI-TLB-81-1821	SAME

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Microctonus colesi Drea Hymenoptera Braconidae	KY IN MI PPQ/	MO ? PHL&A ? Apr to Jun NOTE: 026	PPQNMI-TLB-81-1021	Hypera postica (Gyllenhal) alfalfa weevil
	IN, Harrison PPQNEV/JC, WPH	OH ? PHL ? May NOTE: 026	PPQNMI-TLB-81-1706	SAME
	IN MI PPQ/	PA ? PHL&A ? May NOTE: 026	PPQNMI-TLB-81-1664	SAME
	KY IN PPQ/	VA ? PHL&A ? Apr to May NOTE: 026	PPQNMI-TLB-81-1331	SAME
	IN MI PPQ/	WI ? PHL&A ? May to Jun NOTE: 026	PPQNMI-TLB-81-1760	SAME
	IN, Harrison PPQNEV/JC, WPH	WV ? PHL&A ? May NOTE: 026	PPQNMI-TLB-81-1619	SAME
Microplitis demolitor (Wilkinson) Hymenoptera Braconidae	Australia SCCU SCCU/BMS CSIROSL/RJL	MS Washington 47 A 1 May	SRQF-81-0049 SRQF Jones, W A	Heliothis virescens (Fabricius) tobacco budworm

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Microplitis demolitor (Wilkinson) Hymenoptera Braconidae	Australia SCCU SCCU/BMS CSIROSL/RJL	MS Washington 57 A 1 Jun	SRQF-81-0057 SRQF BICL Jones, W A Tidwell, A	Heliothis virescens (Fabricius) tobacco budworm Helicoverpa zea (Boddie) corn earworm, bollworm
	Australia SCCU SCCU/BMS CSIROSL/RJL	MS Washington 66 A 1 Jun	SRQF-81-0058 BICL Ginn, S	SAME Heliothis virescens (Fabricius) tobacco budworm
	Australia SCCU SCCU/BMS CSIROSL/RJL	MS Washington 79 A 1 Jun	SRQF-81-0060 BICL Tidwell, A	Helicoverpa zea (Boddie) corn earworm, bollworm Heliothis virescens (Fabricius) tobacco budworm
	Australia SCCU SCCU/BMS CSIROSL/RJL	MS Washington 62 A 1 Jun	SRQF-81-1059 BICL Ginn, S	SAME Helicoverpa zea (Boddie) corn earworm, bollworm

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Microplitis demolitor (Wilkinson) Hymenoptera Braconidae	Australia SCCU SCCU/BMS CSIROSL/RJL	MS Washington 83 A 1 Jun	SRQF-81-2059 BICL Ries, J	Heliothis virescens (Fabricius) tobacco budworm Helicoverpa zea (Boddie) corn earworm, bollworm
	Australia SCCU SCCU/BMS CSIROSL/RJL	MS Washington 88 A,C 1 Jul	SRQF-81-0067 BICL SRQF Ginn, S Jones, W A	Heliothis virescens (Fabricius) tobacco budworm Helicoverpa zea (Boddie) corn earworm, bollworm
	Australia SCCU SCCU/BMS CSIROSL/RJL	MS Washington 633 A 1 Jul	SRQF-81-0069 BICL Ginn, S	Heliothis virescens (Fabricius) tobacco budworm Helicoverpa zea (Boddie) corn earworm, bollworm
	Australia SCCU SCCU/BMS CSIROSL/RJL	MS Washington 82 A 1 Jul	SRQF-81-0070 BICL Ginn, S	SAME Heliothis virescens (Fabricius) tobacco budworm

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Microplitis demolitor (Wilkinson) Hymenoptera Braconidae	Australia SCCU SCCU/BMS CSIROSL/RJL	MS Washington 265 A Aug	1	SRQF-81-0071 BICL Ginn, S	Helicoverpa zea (Boddie) corn earworm, bollworm Heliothis virescens (Fabricius) tobacco budworm
	Australia SCCU SCCU/BMS CSIROSL/RJL	MS Washington 247 A Aug to Sep	1	SRQF-81-0074 SRQF BICL Jones, W A Ginn, S	Helicoverpa zea (Boddie) corn earworm, bollworm Heliothis virescens (Fabricius) tobacco budworm
	Australia SCCU SCCU/BMS CSIROSL/RJL	MS Washington 112 A Sep	1	SRQF-81-0077 SRQF BICL Jones, W A Tidwell, A	SAME Helicoverpa zea (Boddie) corn earworm, bollworm
	Australia SCCU SCCU/BMS CSIROSL/RJL	MS Washington 90e A Sep	1	SRQF-81-0079 SRQF BICL Jones, W A Tidwell, A	Heliothis virescens (Fabricius) tobacco budworm
	Australia SCCU SCCU/BMS CSIROSL/RJL	MS Washington 195 A Sep	2	SRQF-81-0080 SRQF Jones, W A	Pseudoplusia includens (Walker) soybean looper Trichoplusia ni (HUbner) cabbage looper

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Microplitis demolitor (Wilkinson) Hymenoptera Braconidae	Australia SCCU SCCU/BMS CSIROSL/RJL	MS Washington 69 A 1 Oct	SRQF-81-0082 SRQF Jones, W A	Pseudoplusia includens (Walker) soybean looper Heliothis virescens (Fabricius) tobacco budworm
	Australia SRQF SCCU SCCU/BMS CSIROSL/RJL	SC Barnwell 25 A 1 Jun	SCCU-BMS-81-0001-1 SCCU Grant, J F	Helicoverpa zea (Boddie) corn earworm, bollworm Pseudoplusia includens (Walker) soybean looper
	Australia SRQF SCCU SCCU/BMS CSIROSL/RJL	SC Barnwell 130e A 4 Jul	SCCUE-SGT-81-0013 SCCUE Parkman, J P	Helicoverpa zea (Boddie) corn earworm, bollworm
	Australia SRQF SCCU SCCU/BMS CSIROSL/RJL	SC Charleston 150 A 2 Jun	SCCU-BMS-81-0001 SCCU Grant, J F	Pseudoplusia includens (Walker) soybean looper Helicoverpa zea (Boddie) corn earworm, bollworm
Monodontomerus dentipes (Dalman) Hymenoptera Torymidae	WI, Polk WI, Burnett FSRTPNC/ATD UWI/HCC	NC Avery 4000e A 1 May to Jun NOTE: 039	FSRTPNC-ATD-81-0001 FSRTPNC FSANC Drooz, A T Mitchell, C M	Diprion similis (Hartig) introduced pine sawfly

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Neoseiulus californicus (McGregor) Parasitiformes Phytoseiidae	CA, Santa Barbara UCR/JAM	CA Kern 2400e A,N 2 May	UCR-JAM-81-0026 UCR Johnson, H G	Tetranychus pacificus McGregor Pacific spider mite
	CA, Santa Barbara UCR/JAM	CA Kern 1600e A,N 1 Jul	UCR-JAM-81-0035 UCR Johnson, H G	SAME
	DE, New Castle BIRL BIRL/RMH	CA Orange 1000e ALL 1 May NOTE: 121	BIRL-RMH-81-0051 UCR Rose, M J	Panonychus citri McGregor citrus red mite Eotetranychus sexmaculatus (Riley) sixspotted mite
	DE, New Castle BIRL BIRL/RMH	MD Frederick 1000e ALL 1 May NOTE: 121	BIRL-RMH-81-0045 PDRL Latterell, F M Rossi, A E	Tetranychus urticae Koch twospotted spider mite
	DE, New Castle BIRL BIRL/SEB	MD Frederick 500e ALL 1 Sep NOTE: 121	BIRL-RMH-81-0147 PDRL Rossi, A E	SAME
	DE, New Castle BIRL BIRL/RMH	NC Wake 2000e ALL 1 Apr NOTE: 121	BIRL-RMH-81-0042 NCSU Keller, M A	SAME
	DE, New Castle BIRL BIRL/RMH	PA Montgomery 1000e ALL 1 May NOTE: 121	BIRL-RMH-81-0047 UPA Lamstein, L	SAME

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Neoseiulus californicus (McGregor) Parasitiformes Phytoseiidae	DE, New Castle BIRL BIRL/RMH	PA Montgomery 500 ALL 1 Sep NOTE: 121	BIRL-RMH-81-0139 UPA Lamstein, L	Tetranychus urticae Koch twospotted spider mite
	DE, New Castle BIRL BIRL/SEB	VA Charlottesville 500e ALL 1 Nov NOTE: 121	BIRL-RMH-81-0171 UVA McCormack, J	SAME
Nephaspis bicolor Gordon Coleoptera Coccinellidae	Trinidad HDA	HI Hawaii 265 A 1 Jan	HDA-BRK-81-0002 HDAH Yoshioka, E R	Aleurodicus dispersus Russell spiraling whitefly
	Trinidad HDA	HI Hawaii 100 A 1 Mar	HDA-BRK-81-0013 HDAH Yoshioka, E R	SAME
	Trinidad HDA	HI Honolulu 150 A 3 Sep	HDA-BRK-81-0018 HDA Kumashiro, B R	SAME
	Trinidad HDA	HI Kauai 90 A 1 Mar	HDA-BRK-81-0011 HDAK Sugawa, D T	SAME
	Trinidad HDA	HI Maui 115 A 1 Mar	HDA-BRK-81-0012 HDAM Miyahira, N	SAME
Nephaspis oculata (Blatchley) Coleoptera Coccinellidae	HI, Honolulu HDA HDA/	AS Tutuila I 600e A 1 Jun	ASDA-LH-81-0001 ASDA Hirata, L	SAME

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Nephaspis oculata (Blatchley) Coleoptera Coccinellidae	HI, Honolulu HDA HDA/	AS Tutuila I 3000e A Nov	1	ASDA-LH-81-0003 ASDA Hirata, L	Aleurodicus dispersus Russell spiraling whitefly
	HI, Honolulu HDA HDA/	GU 625 A Jul	3	GUUG-JRN-81-0001 GUUG Nechols, J R	SAME
	HI, Honolulu HDA HDA/	GU 800e A Nov	2	GUUG-JRN-81-0003 GUUG Nechols, J R	SAME
	HI, Honolulu HDA HDA/	GU 3000e A Dec	3	GUUG-JRN-81-0004 GUUG Nechols, J R	SAME
	HI, Honolulu HDA/	HI Hawaii 26625 A Jan to Jul NOTE: 019	?	HDA-BRK-81-0008 HDAH Yoshioka, E R	SAME
	Trinidad Honduras HDA	HI Hawaii 1715 A Jan to Apr NOTE: 019	?	HDA-BRK-81-0009 HDAH Yoshioka, E R	SAME
	Trinidad Honduras HDA	HI Hawaii 70 A Jan NOTE: 020	1	HDA-PQS-81-0002 HDAH Yoshioka, E R	SAME
	Trinidad Honduras HDA	HI Hawaii 9885 A Jan to Jun NOTE: 019	?	HDAH-ERY-81-0002 HDAH Yoshioka, E R	SAME

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Nephaspis oculata (Blatchley) Coleoptera Coccinellidae	HI, Hawaii HDAH/	HI Hawaii 1135 A ? Jan to Feb NOTE: 019	HDAH-ERY-81-0003 HDAH Yoshioka, E R	Aleurodicus dispersus Russell spiraling whitefly
	HI, Hawaii HDAH/	HI Hawaii 6410 A ? May to Sep NOTE: 019	HDAH-ERY-81-0005 HDAH Yoshioka, E R	SAME
	HI, Honolulu HDA/	HI Hawaii 13000 A 7 Sep to Dec	HDA-BRK-81-0020 HDAH Yoshioka, E R	SAME
	HI, Hawaii HDAH/	HI Hawaii 1000 A 3 Nov	HDAH-ERY-81-0010 HDAH Yoshioka, E R	SAME
	HI, Honolulu HDA/	HI Honolulu 4515 A ? Jan to Dec NOTE: 019	HDA-BRK-81-0005 HDA Kumashiro, B R	SAME
	Trinidad Honduras HDA	HI Honolulu 275 A 2 Jan NOTE: 020	HDA-PQS-81-0001 HDA	SAME
	Trinidad Honduras HDA	HI Honolulu 150 A 3 Feb to Mar	HDA-BRK-81-0010 HDA Kumashiro, B R	SAME
	Trinidad Honduras HDA	HI Kauai 2605 A ? Jan to Mar NOTE: 019	HDA-BRK-81-0003 HDAK Sugawa, D T	SAME

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Nephaspis oculata (Blatchley) Coleoptera Coccinellidae	HI, Honolulu HDA/	HI Kauai 35655 A ? Jan to Sep NOTE: 019	HDA-BRK-81-0006 HDAK Sugawa, D T	Aleurodicus dispersus Russell spiraling whitefly
	Trinidad Honduras HDA	HI Kauai 425 A ? Mar NOTE: 020, 019	HDA-PQS-81-0003 HDAK Sugawa, D T	SAME
	HI, Honolulu HDA/	HI Kauai 2000 A 4 Dec	HDA-BRK-81-0023 HDAK Sugawa, D T	SAME
	Trinidad Honduras HDA	HI Maui 1595 A ? Jan to Apr NOTE: 019	HDA-BRK-81-0004 HDAM Miyahira, N	SAME
	HI, Honolulu HDA/	HI Maui 44670 A ? Jan to Dec NOTE: 019	HDA-BRK-81-0007 HDAM Miyahira, N	SAME
	HI, Maui HDAM/	HI Maui 4665 A ? Jan to Feb NOTE: 019	HDAM-NM-81-0001 HDAM Miyahira, N	SAME
	Trinidad Honduras HDA	HI Maui 100 A ? Mar NOTE: 020, 019	HDA-PQS-81-0004 HDAM Miyahira, N	SAME
	HI, Maui HDAM/	HI Maui 1435 A ? Apr to May NOTE: 019	HDAM-NM-81-0006 HDAM Miyahira, N	SAME

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Nephaspis oculata (Blatchley) Coleoptera Coccinellidae	HI, Maui HDAM/	HI Maui 325 A ? Jul NOTE: 019	HDAM-NM-81-0009 HDAM Miyahira, N	Aleurodicus dispersus Russell spiraling whitefly
	HI, Maui HDAM/	HI Maui 10850 A ? Jul to Sep NOTE: 019	HDAM-NM-81-0010 HDAM Miyahira, N	SAME
	HI, Honolulu HDA/	HI Maui (Molokai I) 15000 A ? Sep to Dec NOTE: 019	HDA-BRK-81-0019 UHIEXT	SAME
Oenopia conglobata (Linnaeus) Coleoptera Coccinellidae	Yugoslavia UCB	WA Chelan 291 A 1 Jul	YARL-REF-81-0020 YARL Fye, R E	Psylla pyricola Förster pear psylla
	Yugoslavia UCB	WA Klickitat 1439 A 1 Apr to Aug	YARL-REF-81-0004 YARL Fye, R E	SAME
Olesicampe benefactor Hinz Hymenoptera Ichneumonidae	PA, Juniata PABF/JWQ	NC Buncombe 29 A 1 Apr	FSRTPNC-ATD-81-0002 FSANC Buchanan, A M	Pristiphora erichsonii (Hartig) larch sawfly
Ooencyrtus kuvanae (Howard) Hymenoptera Encyrtidae	PA, Cumberland WVDA/TLM PABF/MT	WV Berkeley 100 A 1 Sep	WVDA-TLM-81-0003 WVDA Mason, T L	Lymantria dispar (Linnaeus) gypsy moth

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Ooencyrtus kuvanae (Howard) Hymenoptera Encyrtidae	PA, Cumberland WVDA/TLM PABF/MT	WV Berkeley 500e A 1 Oct	WVDA-TLM-81-0004 WVDA Mason, T L	Lymantria dispar (Linnaeus) gypsy moth
Ooencyrtus malayensis Ferrière Hymenoptera Encyrtidae	Thailand SCCU SCCU/BMS THDA/PS THKKU/MK	MS Washington 400e A 1 Jul	SRQF-81-0064 SRQF Jones, W A	Anasa tristis (De Geer) squash bug Nezara viridula (Linnaeus) southern green stink bug
Opius dissitus Muesebeck Hymenoptera Braconidae	USA FL HDA HDA/RMB	HI Honolulu 720 A 1 Dec	HDA-KTM-81-0007 HDA Murai, K T	Liriomyza sativae Blanchard vegetable leafminer Liriomyza trifolii (Burgess) leafminer
Oplomus severus Breddin Heteroptera Pentatomidae	Peru UMD/AG, AA	DE New Castle 104 A 1 Jun	BIRL-81-0199 BIRL Tropp, J M Schaefer, P W	Epilachna varivestis Mulsant Mexican bean beetle
Pactolinus parallelus (Redtenbacher) Coleoptera Histeridae	Pakistan UCR CIBCPS/RKS	CA Riverside 5 A 1 Dec	UCR-EFL-81-0025 UCR Legner, E F Warkentin, R W	Haematobia irritans (Linnaeus) horn fly

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Pactolinus parallelus (Redtenbacher) Coleoptera Histeridae	Pakistan UCR CIBCPS/RKS	CA Tulare 12 A 1 Nov	UCR-EFL-81-0023 UCR Legner, E F Warkentin, R W	Haematobia irritans (Linnaeus) horn fly
Pediobius facialis (Giraud) Hymenoptera Eulophidae	Japan SCCUE SCCU	FL Dade 400 A 1 Sep	UFH-VHW-81-0006 UFH Waddill, V H	Trichoplusia ni (Hübner) cabbage looper
	Japan SCCUE SCCU	FL Dade 100 A 1 Dec	UFH-VHW-81-0011 UFH Waddill, V H	SAME
	Japan SCCU	SC Beaufort 12 PHP 1 Jun	SCCUE-SGT-81-0007-1 SCCUE Parkman, J P	Pseudoplusia includens (Walker) soybean looper Trichoplusia ni (Hübner) cabbage looper
	Japan SCCU	SC Beaufort 2000e A 1 Jun to Jul	SCCUE-SGT-81-0012 SCCUE Parkman, J P	SAME Pseudoplusia includens (Walker) soybean looper
	Japan SCCU	SC Charleston 10 PHP 1 Jun	SCCUE-SGT-81-0007-2 SCCUE Parkman, J P	SAME Trichoplusia ni (Hübner) cabbage looper

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Pediobius facialis (Giraud) Hymenoptera Eulophidae	Japan SCCU	SC Charleston 5000e A 1 Jun to Jul	SCCUE-SGT-81-0011 SCCUE Parkman, J P	Trichoplusia ni (HÜbner) cabbage looper Pseudoplusia includens (Walker) soybean looper
Pediobius foveolatus (Crawford) Hymenoptera Eulophidae	India PPQNMI PPQSMS COMARTI NJDA UFG PPQNMI	DE Kent 365350e A ? Jun to Jul NOTE: 075, 058	PPQBMD-HTS-81-0003-1 DEDA Harrison, L	Epilachna varivestis Mulsant Mexican bean beetle
	India PPQNMI PPQSMS COMARTI NJDA UFG PPQNMI	DE New Castle 137130e A ? Jun to Jul NOTE: 075, 058	PPQBMD-HTS-81-0003-2 DEDA Harrison, L	SAME
	India PPQNMI PPQSMS COMARTI NJDA UFG PPQNMI	DE Sussex 63000e A ? Jun to Jul NOTE: 075, 058	PPQBMD-HTS-81-0003-3 DEDA Harrison, L	SAME
	India PPQNMI PPQSMS COMARTI NJDA UFG PPQNMI	ID Ada 5600e A 1 Jul to Aug NOTE: 075	PPQBMD-HTS-81-0004 IDDA Saunders, R C	SAME

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Pediobius foveolatus (Crawford) Hymenoptera Eulophidae	India PPQNMI NJDA UFG	IN Bartholomew 9640e A Jun to Jul NOTE: 098	3	INPU-RVF-81-0001-2 INPU Flanders, R V	Epilachna varivestis Mulsant Mexican bean beetle
	India PPQNMI NJDA UFG	IN Clay 6250e A Jul	5	INPU-RVF-81-0002-1 INPU Flanders, R V	SAME
	India PPQNMI NJDA UFG	IN Decatur 7300e A Jun to Jul NOTE: 098	2	INPU-RVF-81-0001-1 INPU Flanders, R V	SAME
	India PPQNMI NJDA UFG	IN Jackson 5600e A Jun to Jul NOTE: 098	2	INPU-RVF-81-0001-3 INPU Flanders, R V	SAME
	India PPQNMI NJDA UFG	IN Jennings 2840e A Jun to Jul NOTE: 098	1	INPU-RVF-81-0001-4 INPU Flanders, R V	SAME
	India PPQNMI NJDA UFG	IN Jennings 6300e A Aug	2	INPU-RVF-81-0002 INPU Flanders, R V	SAME
	India PPQNMI NJDA UFG	IN Tippecanoe 5000e A Jul	1	INPU-RVF-81-0002-2 INPU Flanders, R V	SAME

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Pediobius foveolatus (Crawford) Hymenoptera Eulophidae	India MDDA	MA Barnstable 22000e A 2 Jun	PPQOMA-OTF-81-0001 PPQOMA Forrester, O T	Epilachna varivestis Mulsant Mexican bean beetle
	India UMD	MD Caroline 160500e A 40 Jun to Jul NOTE: 058, 079	MDDA-RHT-81-0001-1 MDDA	SAME
	India UMD	MD Carroll 400e A 1 Jun	MDDA-RHT-81-0002 BIIL Schroder, R F W	SAME
	India UMD	MD Dorchester 313000e A 58 Jun to Jul NOTE: 058, 079	MDDA-RHT-81-0001-2 MDDA	SAME
	India UMD	MD Kent 22500e A 8 Jun to Jul NOTE: 058, 079	MDDA-RHT-81-0001-3 MDDA	SAME
	India UMD	MD Queen Annes 289000e A 38 Jun to Jul NOTE: 058, 079	MDDA-RHT-81-0001-4 MDDA	SAME
	India UMD	MD Somerset 68500e A 15 Jun to Jul NOTE: 058, 079	MDDA-RHT-81-0001-5 MDDA	SAME
	India UMD	MD Talbot 418500e A 57 Jun to Jul NOTE: 058, 079	MDDA-RHT-81-0001-6 MDDA	SAME

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Pediobius foveolatus (Crawford) Hymenoptera Eulophidae	India UMD	MD Wicomico 23000e A Jun to Jul NOTE: 058, 079	16	MDDA-RHT-81-0001-7 MDDA	Epilachna varivestis Mulsant Mexican bean beetle
	India UMDEXT	NJ Atlantic 23000e A Jun to Jul NOTE: 058	5	NJDA-DJP-81-0008-3 NJDA Palmer, D J	SAME
	India UMDEXT	NJ Burlington 139000e A Jun to Aug NOTE: 058	12	NJDA-DJP-81-0004-2 NJDA Palmer, D J	SAME
	India UMDEXT	NJ Camden 13000e A Jul NOTE: 058	4	NJDA-DJP-81-0008-5 NJDA Palmer, D J	SAME
	India UMDEXT	NJ Cumberland 911500e A Jun to Sep NOTE: 058	56	NJDA-DJP-81-0005 NJDA Palmer, D J	SAME
	India UMDEXT	NJ Gloucester 117000e A Jun to Sep NOTE: 058	15	NJDA-DJP-81-0004-1 NJDA Palmer, D J	SAME
	India UMDEXT	NJ Mercer 93000e A Jun to Jul NOTE: 058	22	NJDA-DJP-81-0004-3 NJDA Palmer, D J	SAME

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Pediobius foveolatus (Crawford) Hymenoptera Eulophidae	India UMDEXT	NJ Middlesex 12000e A 4 Jun to Aug NOTE: 058	NJDA-DJP-81-0008-2 NJDA Palmer, D J	Epilachna varivestis Mulsant Mexican bean beetle
	India UMDEXT	NJ Monmouth 209000e A 34 Jun to Aug NOTE: 058	NJDA-DJP-81-0004-4 NJDA Palmer, D J	SAME
	India UMDEXT	NJ Morris 5000e A 1 Aug NOTE: 058	NJDA-DJP-81-0008-6 NJDA Palmer, D J	SAME
	India UMDEXT	NJ Ocean 74000e A 5 Jun NOTE: 058	NJDA-DJP-81-0008-1 NJDA Palmer, D J	SAME
	India UMDEXT	NJ Salem 161000e A 17 Jun to Jul NOTE: 058	NJDA-DJP-81-0004-5 NJDA Palmer, D J	SAME
	India UMDEXT	NJ Somerset 5000e A 1 Jun to Jul NOTE: 058	NJDA-DJP-81-0008-4 NJDA Palmer, D J	SAME
	Japan BIRL	PA Bucks 175e A 1 Jul	BIRL-PWS-81-0087-2 UPA Rhoads, N	SAME
	Japan BIRL	PA Montgomery 175e A 1 Jul	BIRL-PWS-81-0087-1 UPA Lamstein, L	SAME

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Pediobius foveolatus (Crawford) Hymenoptera Eulophidae	VA, Virginia Beach ? VADACSVB/	VA King George 1500e A 1	VADACSVB-81-0002-2 VADACSVB	Epilachna varivestis Mulsant Mexican bean beetle
	VA, Virginia Beach ? VADACSVB/	VA King William 3500e A 1	VADACSVB-81-0002-3 VADACSVB	SAME
	VA, Virginia Beach ? VADACSVB/	VA King and Queen 3500e A 1	VADACSVB-81-0002-1 VADACSVB	SAME
	VA, Virginia Beach ? VADACSVB/	VA Lancaster 2500e A 1	VADACSVB-81-0002-4 VADACSVB	SAME
	VA, Virginia Beach ? VADACSVB/	VA Mathews 3000e A 1	VADACSVB-81-0002-5 VADACSVB	SAME
	VA, Virginia Beach ? VADACSVB/	VA New Kent 4500e A 1	VADACSVB-81-0002-6 VADACSVB	SAME
	India PPQNMI PPQSMS COMARTI NJDA UFG PPQNMI	VA Northumberland 18750e A ? Jun to Aug NOTE: 075, 058	PPQBMD-HTS-81-0001-1 VADACSVB	SAME
	VA, Virginia Beach ? VADACSVB/	VA Prince George 2500e A 1	VADACSVB-81-0003-1 VADACSVB	SAME

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Pediobius foveolatus (Crawford) Hymenoptera Eulophidae	VA, Virginia Beach ? VADACSVB/	VA Richmond 2500e A 1	VADACSVB-81-0003-2 VADACSVB	Epilachna varivestis Mulsant Mexican bean beetle
	India PPQNMI PPQSMS COMARTI NJDA UFG PPQNMI	VA Richmond 13500e A ? Jun to Aug NOTE: 075, 058	PPQBMD-HTS-81-0001-2 VADACSVB	SAME
	VA, Virginia Beach ? VADACSVB/	VA Surry 2500e A 1	VADACSVB-81-0003-3 VADACSVB	SAME
	VA, Virginia Beach ? VADACSVB/	VA Virginia Beach 2500e A 1	VADACSVB-81-0003-4 VADACSVB	SAME
	VA, Virginia Beach ? VADACSVB/DWC	VA Virginia Beach 250e A? 1 Jul	VADACSVB-DWC-81-0003 VADACSVB Craun, D W	SAME
	India PPQNMI PPQSMS COMARTI NJDA UFG PPQNMI	VA Westmoreland 173500e A ? Jun to Aug NOTE: 075, 058	PPQBMD-HTS-81-0001-3 VADACSVB	SAME
	India COMARTI PPQNMI	WV Jefferson 40000e A 1 Aug	PPQBMD-HTS-81-0005 BIIL PPQBMD Schroder, R F W Smith, H T	SAME

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Pentalitomastix plethoricus Caltagirone Hymenoptera Encyrtidae	Mexico UCB	CA San Joaquin 159000e A ? May to Jun	UCB-LEC-81-0003 UCB Caltagirone, L E	Amyelois transitella (Walker) navel orangeworm
	Mexico UCB	CA San Joaquin 99000e A ? Jul to Sep	UCB-LEC-81-0009 UCB Caltagirone, L E	SAME
	Mexico UCB	CA Solano 24200e A ? May to Jun	UCB-LEC-81-0004 UCB Caltagirone, L E	SAME
Peristenus digoneutis Loan Hymenoptera Braconidae	France Austria EPL/DC, GM EPL/RCH, HH	NJ Warren 764 A 1 Jun to Aug	BIRL-81-0160 BIRL Day, W H	Adelphocoris lineolatus (Goeze) alfalfa plant bug Lygus lineolaris (Palisot) tarnished plant bug
Peristenus rubricollis (Thomson) Hymenoptera Braconidae	France Austria EPL/DC, GM EPL/HH	NJ Warren 116 A 1 Jun to Aug	BIRL-81-0161 BIRL Day, W H	Adelphocoris lineolatus (Goeze) alfalfa plant bug Lygus lineolaris (Palisot) tarnished plant bug
Peristenus stygicus Loan Hymenoptera Braconidae	Spain BIRL	AZ Pima 62526 A 1 Feb to Dec	BCIL-JWD-81-0001 BCIL Debolt, J W Graham, H M	Lygus hesperus Knight western lygus bug Lygus spp.

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Peristenus stygicus Loan Hymenoptera Braconidae	France Austria EPL/DC, GM EPL/RCH, HH	NJ Warren 28 A Jun to Aug	1	BIRL-81-0159 BIRL Day, W H	Adelphocoris lineolatus (Goeze) alfalfa plant bug Lygus lineolaris (Palisot) tarnished plant bug
Phanerotoma sp. Hymenoptera Braconidae	Bolivia UCB	CA San Joaquin 255 A Mar to Jun	?	UCB-LEC-81-0002 UCB Caltagirone, L E	Amyelois transitella (Walker) navel orangeworm
	Bolivia UCB	CA San Joaquin 750e A Jul to Aug	?	UCB-LEC-81-0007 UCB Caltagirone, L E	SAME
	Bolivia UCB	CA Solano 280 A Jun	?	UCB-LEC-81-0005 UCB Caltagirone, L E	SAME
	Bolivia UCB	CA Solano 75e A Jul	1	UCB-LEC-81-0008 UCB Caltagirone, L E	SAME
Philothalpus analis (Erichson) Coleoptera Staphylinidae	Trinidad HDA	HI Maui 275 A Jan to Mar	2	HDAM-NM-81-0004 HDAM Miyahira, N	Carpophilus humeralis (Fabricius) pineapple souring beetle Carpophilus hemipterus (Linnaeus) driedfruit beetle

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Philothalpus analis (Erichson) Coleoptera Staphylinidae	Trinidad HDA	HI Maui 242 A,L,P 1 Jun	HDAM-NM-81-0008 HDAM Miyahira, N	Carpophilus humeralis (Fabricius) pineapple souring beetle Carpophilus hemipterus (Linnaeus) driedfruit beetle
Phytoseiulus macropilis (Banks) Parasitiformes Phytoseiidae	Guatemala UCR	CA Riverside 800e A,N 1 Apr	UCR-JAM-81-0009 UCR Johnson, H G	Panonychus citri McGregor citrus red mite
	Cook Islands UCR/JAM	CA San Diego 700e A,N 1 Sep	UCR-81-0054 UCR McMurtry, J A	Oligonychus punicae (Hirst) avocado brown mite
Phytoseiulus persimilis Athias-Henriot Parasitiformes Phytoseiidae	Italy UCR	CA Butte 2000e A,N 1 Jul	UCR-JAM-81-0048 UCR Johnson, H G	Tetranychus pacificus McGregor Pacific spider mite
	DE, New Castle BIRL BIRL/RMH	CA Orange 4000e ALL 1 May NOTE: 121	BIRL-RMH-81-0050 UCR Rose, M J	Panonychus citri McGregor citrus red mite Eotetranychus sexmaculatus (Riley) sixspotted mite
	DE, New Castle BIRL BIRL/SEB	MD Frederick 3000e ALL 1 Apr NOTE: 121	BIRL-RMH-81-0021 PDRL Latterell, F M Rossi, A E	Tetranychus urticae Koch twospotted spider mite

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Phytoseiulus persimilis Athias-Henriot Parasitiformes Phytoseiidae	DE, New Castle BIRL BIRL/RMH	MD Frederick 4000e ALL 1 May NOTE: 121	BIRL-RMH-81-0044 PDRL Latterell, F M Rossi, A E	Tetranychus urticae Koch twospotted spider mite
	DE, New Castle BIRL BIRL/SEB	MD Frederick 500e ALL 1 Sep NOTE: 121	BIRL-RMH-81-0146 PDRL Rossi, A E	SAME
	DE, New Castle BIRL BIRL/RMH	NC Wake 18000e ALL 1 Apr NOTE: 121	BIRL-RMH-81-0041 NCSU Keller, M A	SAME
	DE, New Castle BIRL BIRL/SEB	PA Centre 9000e ALL 1 Apr NOTE: 121	BIRL-RMH-81-0027 USRPRL Seymour, P	SAME
	DE, New Castle BIRL BIRL/SEB	PA Montgomery 10000e ALL 1 May NOTE: 121	BIRL-RMH-81-0028 UPA Lamstein, L	SAME
	DE, New Castle BIRL BIRL/RMH	PA Montgomery 4000e ALL 1 May NOTE: 121	BIRL-RMH-81-0046 UPA Lamstein, L	SAME
	DE, New Castle BIRL BIRL/RMH	PA Montgomery 500e ALL 1 Sep NOTE: 121	BIRL-RMH-81-0138 UPA Lamstein, L	SAME

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Phytoseiulus persimilis Athias-Henriot Parasitiformes Phytoseiidae	DE, New Castle BIRL BIRL/SEB	VA Charlottesville 500e ALL 1 Nov NOTE: 121	BIRL-RMH-81-0170 UVA McCormack, J	Tetranychus urticae Koch twospotted spider mite
Phytoseius hawaiiensis Prasad Parasitiformes Phytoseiidae	Australia UCR	CA Los Angeles 1200e A,N 1 Mar	UCR-JAM-81-0008 UCR Johnson, H G	Panonychus citri McGregor citrus red mite
Praon flavinode (Haliday) Hymenoptera Aphidiidae	Switzerland UCB CIBCES/KPC	CA Alameda 110 A 1 Aug	UCB-DLD-81-0001 UCB Dahlsten, D L	Eucallipterus tiliae (Linnaeus) lime aphid
Prococcophagus probus Annecke Hymenoptera Aphelinidae	South Africa UCB	CA Contra Costa 3100e A ? Oct to Nov	UCB-LEC-81-0010 UCB Kennett, C E	Saissetia oleae (Olivier) black scale
	South Africa UCB	CA Fresno 3180e A ? Oct to Nov	UCB-LEC-81-0011 UCB Kennett, C E	SAME
	South Africa UCB	CA Solano 1200e A ? Oct to Nov	UCB-LEC-81-0012 UCB Kennett, C E	SAME
	South Africa UCB	CA Tehama 3250e A ? Oct to Nov	UCB-LEC-81-0013 UCB Kennett, C E	SAME

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Prococcophagus saissetia Annecke & Mynhardt Hymenoptera Aphelinidae	South Africa UCB	CA Contra Costa 1125e A Oct to Nov	?	UCB-LEC-81-0018 UCB Kennett, C E	Saissetia oleae (Olivier) black scale
	South Africa UCB	CA Fresno 650e A Oct to Nov	?	UCB-LEC-81-0019 UCB Kennett, C E	SAME
	South Africa UCB	CA Solano 250e A Oct to Nov	?	UCB-LEC-81-0020 UCB Kennett, C E	SAME
	South Africa UCB	CA Tehama 500e A Oct to Nov	?	UCB-LEC-81-0021 UCB Kennett, C E	SAME
Propylea quatuordecimpunctata (Linnaeus) Coleoptera Coccinellidae	Yugoslavia UCB	WA Chelan 163 A Jul	1	YARL-REF-81-0019 YARL Fye, R E	Psylla pyricola Förster pear psylla
	Yugoslavia UCB	WA Klickitat 859 A Jul to Aug	1	YARL-REF-81-0016 YARL Fye, R E	SAME
Rogas lymantriae Watanabe Hymenoptera Braconidae	Japan NJDA	CT New Haven 3380e A May to Sep	1	FSHCT-WEW-81-0001-1 FSHCT Wallner, W E Grinberg, P S	Lymantria dispar (Linnaeus) gypsy moth
	Japan NJDA	CT New London 3480e A May	2	FSHCT-WEW-81-0001 FSHCT Wallner, W E Grinberg, P S	SAME

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Rumina decollata Linnaeus Pulmonata Subulinidae	CA, Riverside CA, San Bernardino CA, Orange UCR/TWF, REO	CA Orange 7180 A May to Sep	1	UCR-TWF-81-0001 UCR Fisher, T W Orth, R E	Helix aspersa Müller brown garden snail
Scambus aplopappi (Ashmead) Hymenoptera Ichneumonidae	USA, AR UCR	CA San Diego 50 A Jun	1	UCR-RFL-81-0026 UCR Luck, R F	Rhyacionia frustrana (Comstock) Nantucket pine tip moth
Spalangia endius Walker Hymenoptera Pteromalidae	CA, ?	NE Cuming 133000e A Apr NOTE: 109	1	COMBICA-81-0001 LIRU Petersen, J J	Musca domestica Linnaeus house fly Stomoxys calcitrans (Linnaeus) stable fly
	FL, Alachua IAMARL/PBM	NE Cuming 301000e A Apr NOTE: 109	1	IAMARL-PBM-81-0001 LIRU Petersen, J J	Musca domestica Linnaeus house fly Stomoxys calcitrans (Linnaeus) stable fly
	CA, ?	NE Cuming 302000e A May NOTE: 109	1	COMBICA-81-0002 LIRU Petersen, J J	SAME Musca domestica Linnaeus house fly

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Spalangia endius Walker Hymenoptera Pteromalidae	FL, Alachua IAMARL/PBM	NE Cuming 414000e A 1 May NOTE: 109	IAMARL-PBM-81-0002 LIRU Petersen, J J	Stomoxys calcitrans (Linnaeus) stable fly Musca domestica Linnaeus house fly
	CA, ?	NE Cuming 333000e A 1 Jun NOTE: 109	COMBICA-81-0003 LIRU Petersen, J J	SAME Stomoxys calcitrans (Linnaeus) stable fly
	FL, Alachua IAMARL/PBM	NE Cuming 340000e A 1 Jun NOTE: 109	IAMARL-PBM-81-0003 LIRU Petersen, J J	Musca domestica Linnaeus house fly Stomoxys calcitrans (Linnaeus) stable fly
	CA, ?	NE Cuming 167000e A 1 Jul NOTE: 109	COMBICA-81-0004 LIRU Petersen, J J	Musca domestica Linnaeus house fly Stomoxys calcitrans (Linnaeus) stable fly

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Spalangia endius Walker Hymenoptera Pteromalidae	FL, Alachua IAMARL/PBM	NE Cuming 254000e A 1 Jul NOTE: 109	IAMARL-PBM-81-0004 LIRU Petersen, J J	Musca domestica Linnaeus house fly Stomoxys calcitrans (Linnaeus) stable fly
Steinernema feltiae Filipjev Rhabditida Steinernematidae	Mexico COMB	PR San Juan Distr ? e J 1 NOTE: 123	PRUPRRP-JR-81-0001 PRUPRRP Roman, J	Diaprepes abbreviatus (Linnaeus)
Stethorus picipes Casey Coleoptera Coccinellidae	USA, CA HDA	HI Hawaii 778 A 1 Jan	HDAH-ERY-81-0001 HDAH Yohioka, E R	Tetranychus cinnabarinus (Boisduval) carmine spider mite
Telenomus chloropus (Thomson) Hymenoptera Scelionidae	Japan, Honshu Japan, Shikoku APL/KI BIRL APL APLC/TI	MS Lamar 250e A 1 Jul	SRQF-81-0063 SRQF BICL Jones, W A Tidwell, A	Nezara viridula (Linnaeus) southern green stink bug
Tetrastichus gallerucae (Fonscolombe) Hymenoptera Eulophidae	Israel UCR UCR/TRU	CA Riverside 150 A 1 Jul	UCR-RFL-81-0038 UCR Luck, R F	Pyrrhalta luteola (Müller) elm leaf beetle
	Israel UCR UCR/TRU	CA Sacramento 3300e PHE 1 Sep to Oct	UCD-LEE-81-0002-3 UCD Bugg, R L	SAME

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Tetrastichus gallerucae (Fonscolombe) Hymenoptera Eulophidae	Israel UCR UCR/TRU	CA San Bernardino 1497 A 4 Jul	UCR-RFL-81-0033 UCR Luck, R F	Pyrrhalta luteola (Müller) elm leaf beetle
	Israel UCR UCR/TRU	CA San Joaquin 2200e PHE 1 Aug	UCD-LEE-81-0002-1 UCD Bugg, R L	SAME
	Israel UCR UCR/TRU	CA Yolo 300 A 1 Jul	UCR-RFL-81-0045 UCD Ehler, L E Bugg, R L	SAME
	Israel UCR UCR/TRU	CA Yolo 6600e E 1 Sep to Oct	UCD-LEE-81-0002-2 UCD Bugg, R L	SAME
Tetrastichus incertus (Ratzeburg) Hymenoptera Eulophidae	France BIRL	AR Washington 489e A 1 Apr	PPQNMI-TLB-81-0055 UAR Miner, F D	Hypera postica (Gyllenhal) alfalfa weevil
	Iran UCB	CA Monterey 20 A 1 Apr	UCB-KSH-81-0023 UCB Hagen, K S	Hypera brunnipennis (Boheman) Egyptian alfalfa weevil
	France BIRL	IA Clayton 16000e A 1 May	PPQNMI-TLB-81-0317 PPQSCIV Larson, R A	Hypera postica (Gyllenhal) alfalfa weevil
	France BIRL	IA Clayton 8500e A 1 May	PPQNMI-TLB-81-0533 PPQSCIV Larson, R A	SAME

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Tetrastichus incertus (Ratzeburg) Hymenoptera Eulophidae	France BIRL	IA Davis 2988e A Apr	1	PPQNMI-TLB-81-0059 PPQSCIV Wallerich, G E	Hypera postica (Gyllenhal) alfalfa weevil
	France BIRL	IA Davis 2950e A Apr	1	PPQNMI-TLB-81-0096 PPQSCIV Wallerich, G E	SAME
	France BIRL	IA Davis 5900e A Apr	1	PPQNMI-TLB-81-0164 PPQSCIV Wallerich, G E	SAME
	France BIRL	IA Davis 11880e A May	1	PPQNMI-TLB-81-0249 IADA Carlson, C E	SAME
	France BIRL	IL Pope 3891e A Apr	1	PPQNMI-TLB-81-0116 PPQNEV Carroll, J	SAME
	France BIRL	IL Will 7489e A May	1	PPQNMI-TLB-81-0211 PPQNEV Felts, W L	SAME
	France BIRL	IL Will 3679e A May	1	PPQNMI-TLB-81-0299 PPQNEV Felts, W L	SAME
	France BIRL	IN Lawrence 3067e A Apr	1	PPQNMI-TLB-81-0196 PPQNEV Sproat, B	SAME
	France BIRL	MI Berrien 500e A May	1	PPQNMI-TLB-81-0446 PPQNMI Bryan, M D	SAME

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Tetrastichus incertus (Ratzeburg) Hymenoptera Eulophidae	France BIRL	MI Berrien 3304 A May	1	PPQNMI-TLB-81-0569 PPQNMI Bryan, M D	Hypera postica (Gyllenhal) alfalfa weevil
	France BIRL	MI Berrien 6500e A May	1	PPQNMI-TLB-81-0585 PPQNMI Bernon, G L Bassler, R	SAME
	France BIRL	MO Cole 500e A Apr	1	PPQNMI-TLB-81-0045 MODA Francka, J E	SAME
	France BIRL	MO Greene 3485e A Apr	1	PPQNMI-TLB-81-0037 PPQSCIV MODA Burnett, T L Shepard, R	SAME
	France BIRL	MO Greene 2990e A Apr	1	PPQNMI-TLB-81-0072 MODA Shepard, R	SAME
	France BIRL	MO Greene 3970e A Apr	1	PPQNMI-TLB-81-0148 PPQSCIV Nichols, R W	SAME
	France BIRL	MO Johnson 496e A Apr	1	PPQNMI-TLB-81-0053 PPQSCIV Nichols, R W	SAME
	France BIRL	MO Schuyler 3500e A Apr	1	PPQNMI-TLB-81-0023 PPQSCIV Wallerich, J L	SAME

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Tetrastichus incertus (Ratzeburg) Hymenoptera Eulophidae	France BIRL	MO Schuyler 3000e A 1 Apr	PPQNMI-TLB-81-0084 PPQSCIV Wallerich, J L	Hypera postica (Gyllenhal) alfalfa weevil
	France BIRL	MO Schuyler 3975e A 1 Apr	PPQNMI-TLB-81-0132 PPQSCIV Wallerich, G E	SAME
	France BIRL	MO Schuyler 8730e A 1 May	PPQNMI-TLB-81-0498 PPQSCIV Wallerich, J L	SAME
	France BIRL	WI Fond du lac 11880e A 1 May	PPQNMI-TLB-81-0448 PPQNEV Bedford, J	SAME
	France BIRL	WI Iowa 9800e A 1 May	PPQNMI-TLB-81-0385 PPQNEV Bedford, J	SAME
Tetrastichus julis (Walker) Hymenoptera Eulophidae	MI, Berrien PPQNMI/	MD Frederick 12 A 2 Jun	PPQNMI-TLB-81-0613 PPQNEVII Fieselmann, D	Oulema melanopus (Linnaeus) cereal leaf beetle
	MI, Berrien PPQNMI/	NC Chatham 90 A 1 Apr	PPQNMI-TLB-81-0115 NCDA Galloway, R H	SAME
	MI, Berrien PPQNMI/	NC Davie 4 A 1 May	PPQNMI-TLB-81-0440 NCDA Mitchell, J R	SAME
	MI, Berrien PPQNMI/	VA Hanover 43 A 1 May	PPQNMI-TLB-81-0583 VADACS Tate, J R	SAME

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Trichogramma platneri Nagarkatti Hymenoptera Trichogrammatidae	CA, San Diego UCR/ERO	CA Orange 162700e A,PHE Jul to Sep	2	UCR-ERO-81-0004 UCR Oatman, E R	Amorbia cuneana (Walsingham) western avocado leafroller Sabulodes aegrotata (Guenée) omnivorous looper
	CA, San Diego UCR/ERO	CA Riverside 36500e A,PHE Jun	1	UCR-ERO-81-0002 UCR Oatman, E R	Amorbia cuneana (Walsingham) western avocado leafroller
	CA, San Diego UCR/ERO	CA Riverside 50000e A,PHE Oct	3	UCR-ERO-81-0005 UCR Oatman, E R	SAME Sabulodes aegrotata (Guenée) omnivorous looper
Trichogramma pretiosum Riley Hymenoptera Trichogrammatidae	TX, Brazos Co TX, Burleson Co CIRLTX/RKM, SLJ	AR Ashley 120000e PHE Jun to Aug NOTE: 054	1	CIRLTX-RKM-81-0001 PCEMRU Bouse, L F *	Heliothis virescens (Fabricius) tobacco budworm Helicoverpa zea (Boddie) corn earworm, bollworm
	CA, Orange UCR/ERO	CA San Diego 612000e PHE May	2	UCR-ERO-81-0001 UCR Oatman, E R	SAME
	CA, Orange UCR/ERO	CA San Diego 129000e PHE Jul	3	UCR-ERO-81-0003 UCR Oatman, E R	SAME

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Typhlodromus annectens DeLeon Parasitiformes Phytoseiidae	Mexico-Chiapas State UCR UCR/JAM, MB	CA Butte 150e A,N Jul	1	UCR-JAM-81-0049 UCR Johnson, H G	Tetranychus pacificus McGregor Pacific spider mite
	Mexico-Chiapas State UCR UCR/JAM, MB	CA Orange 1200e A,N Oct	1	UCR-JAM-81-0064 UCR Johnson, H G	Polyphagotarsonemus latus (Banks) broad mite
	Mexico-Chiapas State UCR UCR/JAM, MB	CA San Diego 8800e A,N Jul	7	UCR-JAM-81-0043 UCR Johnson, H G	Oligonychus punicae (Hirst) avocado brown mite
	Mexico-Chiapas State UCR UCR/JAM, MB	CA Santa Barbara 800e A,N Oct	1	UCR-JAM-81-0066 UCR Johnson, H G	Eotetranychus sexmaculatus (Riley) sixspotted mite
Typhlodromus occidentalis Nesbitt Parasitiformes Phytoseiidae	CA, Kern WA, Chelan	CA Kern 7200e A,N May NOTE: 003	2	UCR-JAM-81-0019 UCR Johnson, H G	Tetranychus pacificus McGregor Pacific spider mite
	CA, Kern WA, Chelan	CA Kern 2400e A,N Jul NOTE: 003	1	UCR-JAM-81-0038 UCR Johnson, H G	SAME
	CA, Kern WA, Chelan	CA San Diego 1900e A,N Jul NOTE: 003	1	UCR-JAM-81-0042 UCR McMurtry, J A	Oligonychus punicae (Hirst) avocado brown mite

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Typhlodromus porresi McMurtry Parasitiformes Phytoseiidae	Mexico-Chiapas State UCR UCR/JAM	CA San Diego 1600e A,N Sep	1	UCR-JAM-81-0053 UCR Johnson, H G	Oligonychus punicae (Hirst) avocado brown mite
	Mexico-Chiapas State UCR UCR/JAM	CA San Diego 1200e A,N Sep	1	UCR-JAM-81-0057 UCR Johnson, H G	Panonychus citri McGregor citrus red mite
	Mexico-Chiapas State UCR UCR/JAM	CA Santa Barbara 800e A,N Oct	1	UCR-JAM-81-0067 UCR Johnson, H G	Eotetranychus sexmaculatus (Riley) sixspotted mite
Voria ruralis (Fallén) Diptera Tachinidae	Argentina, Uruguay SCCUE	SC Barnwell 55 A Jun	2	SCCU-BMS-81-0002 SCCU Grant, J F	Pseudoplusia includens (Walker) soybean looper

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003 Guthion-Sevin resistant strain.

019 Various number of release sites.

020 Temporary supplemental culture located at Plant Quarantine Station greenhouse.

025 The releases of PHL containing Bathyplectes anurus (which see) probably also included an undetermined number of B. curculionis.

026 The releases of PHL containing Bathyplectes anurus and of PHA containing Microctonus aethiopoides (which see) possibly also included a small undetermined number of M. colesi.

028 Releases made of larch branches infested with PHL&P. Other persons involved in collection and distribution of this material were R. Humiston and G. Templeton, COMBCC.

030 Source included also field collections in WV.

031 Source included also field collections in NJ.

032 Source included also field collections in NJ and PA.

033 Source included also field collections in IN, KY, and MI.

039 J H Ghent and C M Huber, FSANC, also involved in collection and/or release.

042 Melanocallis caryaefoliae (Davis) also an intended prey. This species and Monelliopsis pecanis also used as laboratory hosts for culture.

049 Released in "quarantine" field cage to test host specificity of introduced nematode Hexamermis sp. from Peru. No material was released from cage.

051 After overwintering, adult emergents were mixed with those from other BIRL and other shipments and released in 1981, recorded as PPQNMI releases, which see.

054 Shipment and release numbers given here are figures per hectare per release. There were 6 release fields, each approximately 32 hectares, and there were 18 releases between June 10 and August 21. Therefore, the total number of PHE released is estimated to be 414,720,000 (with parasitization estimated to be about 82%).

058 Releases made as part of the APHIS-PPQ Cooperative Mexican Bean Beetle Biocontrol Demonstration Project.

075 Material included stock from cultures at PPQ laboratories at Starkville, MS (PPQSMS) and Niles, MI (PPQNMI), and from private contractor at Laurel, MD (COMARTI).

079 MDDA release in 1981 included 147,000 A received from USDA (PPQBMD-HTS-81-0002).

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PART A - Arranged Alphabetically by Genus-species of Released Organism, State, County

NOTES

080 Released in approved "quarantine" caged field containment pits for host specificity testing. No live material removed from containment area except for dissection. Soil in field cages later treated with nematicide at the conclusion of the tests.

092 Number released is based on an estimated 30 mites (eggs, larvae, and adults) per host adults released.

098 Release material also included material released directly from shipments PPQNMI-TLB-81-0653 and PPQSMS-JLR-81-0002.

109 Releases made in confined feed lot.

118 Adult parasites sprayed with nuclear polyhedrosis virus prior to release.

120 46 more adults (females) were also released in two field cages.

121 Greenhouse release.

123 In a series of 8 tests, each with 10 replicates, conducted in a greenhouse, about 14,552,000 juvenile nematodes were introduced into plastic pots containing sterilized sand-soil mixture with *Diaprepes abbreviatus* grubs, to test for grub mortality. See Roman and Figueroa, Jour. Agr., Univ. P. R. 69: 153-158, 1985.

124 *Scapteriscus abbreviatus* Scudder (short-winged mole cricket) also a target host at this release site.

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PART B - Target Host/Prey Arranged Alphabetically by Class, Order, Family, Genus, Species with Alphabetical List of Introduced Beneficial Species Released Against It; Target Host/Prey Arranged Alphabetically by Common Name

PHYLUM: MOLLUSCA

Class: Gastropoda

Order of Host/Prey: Pulmonata
Family of Host/Prey: Helicidae
Host/Prey Genus, species, author: Helix aspersa Müller
Common name of host/prey: brown garden snail
Species Released: Rumina decollata

PHYLUM: ARTHROPODA

Class: Arachnida (Subclass Acari)

Order of Host/Prey: Acariformes
Family of Host/Prey: Tarsonemidae
Host/Prey Genus, species, author: Polyphagotarsonemus latus (Banks)
Common name of host/prey: broad mite
Species Released: Euseius elinae
Euseius quetzali
Euseius tutsi
Typhlodromus annectens
Euseius hibisci
Euseius stipulatus
Iphiseius degenerans

Family of Host/Prey: Tetranychidae
Host/Prey Genus, species, author: Eotetranychus sexmaculatus (Riley)
Common name of host/prey: sixspotted mite
Species Released: Neoseiulus californicus
Typhlodromus annectens
Phytoseiulus persimilis
Typhlodromus porresi

Host/Prey Genus, species, author: Oligonychus punicae (Hirst)
Common name of host/prey: avocado brown mite
Species Released: Euseius elinae
Euseius quetzali
Euseius tutsi
Phytoseiulus macropilis
Typhlodromus occidentalis
Euseius hibisci
Euseius stipulatus
Iphiseius degenerans
Typhlodromus annectens
Typhlodromus porresi

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Host/Prey Genus, species, author: Panonychus citri McGregor
Common name of host/prey: citrus red mite
Species Released: Amblyseius colimensis
Euseius addoensis rubicolus
Euseius citri
Euseius hibisci
Euseius stipulatus
Iphiseius degenerans
Phytoseiulus macropilis
Phytoseius hawaiiensis
Amblyseius herbicolus
Euseius citrifolius
Euseius elinae
Euseius quetzali
Euseius tutsi
Neoseiulus californicus
Phytoseiulus persimilis
Typhlodromus porresi

Host/Prey Genus, species, author: Tetranychus cinnabarinus (Boisduval)
Common name of host/prey: carmine spider mite
Species Released: Stethorus picipes

Host/Prey Genus, species, author: Tetranychus pacificus McGregor
Common name of host/prey: Pacific spider mite
Species Released: Euseius elinae
Neoseiulus californicus
Typhlodromus annectens
Euseius stipulatus
Phytoseiulus persimilis
Typhlodromus occidentalis

Host/Prey Genus, species, author: Tetranychus urticae Koch
Common name of host/prey: twospotted spider mite
Species Released: Euseius hibisci
Phytoseiulus persimilis
Neoseiulus californicus

Class: Insecta

Order and Family of Host/Prey: N/A
Host/Prey Genus, species, author: N/A NOTE: 049
Species Released: Harmonia axyridis
Harmonia conformis

Host/Prey Genus, species, author: other test hosts; see NOTE: 080
Species Released: Hexamermis sp.

Order of Host/Prey: Blattodea
Family of Host/Prey: Blattellidae
Host/Prey Genus, species, author: Supella longipalpa (Fabricius)
Common name of host/prey: brownbanded cockroach
Species Released: Comperia merceti

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Order of Host/Prey: Coleoptera
- Family of Host/Prey: Chrysomelidae
  - Host/Prey Genus, species, author: Diabrotica undecimpunctata howardi Barber
    - Common name of host/prey: southern corn rootworm
      - Species Released: Hexamermis sp.
  - Host/Prey Genus, species, author: Leptinotarsa decemlineata (Say)
    - Common name of host/prey: Colorado potato beetle
      - Species Released: Edovum puttleri — Eocanthecona furcellata
      - Hexamermis sp.
  - Host/Prey Genus, species, author: Oulema melanopus (Linnaeus)
    - Common name of host/prey: cereal leaf beetle
      - Species Released: Anaphes flavipes — Diaparsis temporalis
      - Lemophagus curtus — Tetrastichus julis
  - Host/Prey Genus, species, author: Pyrrhalta luteola (Müller)
    - Common name of host/prey: elm leaf beetle
      - Species Released: Tetrastichus gallerucae
- Family of Host/Prey: Coccinellidae
  - Host/Prey Genus, species, author: Epilachna varivestis Mulsant
    - Common name of host/prey: Mexican bean beetle
      - Species Released: Coccipolipus epilachnae — Oplomus severus
      - Pediobius foveolatus
- Family of Host/Prey: Curculionidae
  - Host/Prey Genus, species, author: Diaprepes abbreviatus (Linnaeus)
    - Common name of host/prey:
      - Species Released: Steinernema feltiae
  - Host/Prey Genus, species, author: Hypera brunnipennis (Boheman)
    - Common name of host/prey: Egyptian alfalfa weevil
      - Species Released: Bathyplectes anurus — Microctonus aethiopoides
      - Tetrastichus incertus

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Host/Prey Genus, species, author: Hypera postica (Gyllenhal)
Common name of host/prey: alfalfa weevil

Species Released: Bathyplectes anurus	Bathyplectes curculionis
Microctonus aethiopoides	Microctonus colesi
Tetrastichus incertus	

Family of Host/Prey: Nitidulidae

Host/Prey Genus, species, author: Carpophilus hemipterus (Linnaeus)
Common name of host/prey: driedfruit beetle

Species Released: Cerchysiella utilis	Philothalpus analis

Host/Prey Genus, species, author: Carpophilus humeralis (Fabricius)
Common name of host/prey: pineapple souring beetle

Species Released: Cerchysiella utilis	Philothalpus analis

Family of Host/Prey: Scolytidae

Host/Prey Genus, species, author: Scolytus multistriatus (Marsham)
Common name of host/prey: smaller European elm bark beetle
Species Released: Dendrosoter protuberans

Order of Host/Prey: Diptera

Family of Host/Prey: Agromyzidae

Host/Prey Genus, species, author: Agromyza frontella (Rondani)
Common name of host/prey: alfalfa blotch leafminer

Species Released: Chrysocharis liriomyzae	Dacnusa dryas

Host/Prey Genus, species, author: Liriomyza sativae Blanchard
Common name of host/prey: vegetable leafminer

Species Released: Chrysocharis parksi	Chrysocharis sp.
Chrysocharis sp. nr. giraulti	Opius dissitus

Host/Prey Genus, species, author: Liriomyza trifolii (Burgess)
Common name of host/prey: leafminer

Species Released: Chrysocharis parksi	Chrysocharis sp.
Chrysocharis sp. nr. giraulti	Opius dissitus

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Family of Host/Prey: Muscidae
Host/Prey Genus, species, author: Haematobia irritans (Linnaeus)
Common name of host/prey: horn fly
Species Released: Atholus maindronii — Pactolinus parallelus

Host/Prey Genus, species, author: Musca domestica Linnaeus
Common name of host/prey: house fly
Species Released: Spalangia endius

Host/Prey Genus, species, author: Stomoxys calcitrans (Linnaeus)
Common name of host/prey: stable fly
Species Released: Spalangia endius

Family of Host/Prey: Tephritidae
Host/Prey Genus, species, author: Anastrepha suspensa (Loew)
Common name of host/prey: Caribbean fruit fly
Species Released: Aganaspis daci

Host/Prey Genus, species, author: Rhagoletis completa Cresson
Common name of host/prey: walnut husk fly
Species Released: Biosteres sublaevis — Biosteres tryoni
Coptera evansi — Coptera occidentalis

Order of Host/Prey: Heteroptera
Family of Host/Prey: Coreidae
Host/Prey Genus, species, author: Anasa tristis (De Geer)
Common name of host/prey: squash bug
Species Released: Ooencyrtus malayensis

Family of Host/Prey: Miridae
Host/Prey Genus, species, author: Adelphocoris lineolatus (Goeze)
Common name of host/prey: alfalfa plant bug
Species Released: Peristenus digoneutis — Peristenus rubricollis
Peristenus stygicus

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Host/Prey Genus, species, author: Lygus hesperus Knight
Common name of host/prey: western lygus bug
Species Released: Peristenus stygicus

Host/Prey Genus, species, author: Lygus lineolaris (Palisot)
Common name of host/prey: tarnished plant bug
Species Released: Peristenus digoneutis — Peristenus rubricollis
Peristenus stygicus

Host/Prey Genus, species, author: Lygus spp.
Common name of host/prey:
Species Released: Peristenus stygicus

Family of Host/Prey: Pentatomidae
Host/Prey Genus, species, author: Nezara viridula (Linnaeus)
Common name of host/prey: southern green stink bug
Species Released: Ooencyrtus malayensis — Telenomus chloropus

Order of Host/Prey: Homoptera
Family of Host/Prey: Aleyrodidae
Host/Prey Genus, species, author: Aleurocanthus woglumi Ashby
Common name of host/prey: citrus blackfly
Species Released: Amitus hesperidum — Encarsia opulenta

Host/Prey Genus, species, author: Aleurodicus dispersus Russell
Common name of host/prey: spiraling whitefly
Species Released: Delphastus pusillus — Encarsia ?haitiensis
Encarsia sp. — Nephaspis bicolor
Nephaspis oculata

Host/Prey Genus, species, author: Aleurothrixus floccosus (Maskell)
Common name of host/prey: woolly whitefly
Species Released: Amitus ?spiniferus — Cales noacki
Eretmocerus sp.

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Host/Prey Genus, species, author: Dialeurodes citri (Ashmead)
Common name of host/prey: citrus whitefly
Species Released: Encarsia sp. — Eretmocerus sp.

Host/Prey Genus, species, author: Parabemisia myricae Kuwana
Common name of host/prey: Japanese bayberry whitefly
Species Released: Encarsia sp. — Eretmocerus sp.

Host/Prey Genus, species, author: Trialeurodes vaporariorum (Westwood)
Common name of host/prey: greenhouse whitefly
Species Released: Aleurodiphilus pergandiellus — Encarsia formosa
Eretmocerus ?californicus

Family of Host/Prey: Aphididae

Host/Prey Genus, species, author: Acyrthosiphon kondoi Shinji
Common name of host/prey: blue alfalfa aphid
Species Released: Aphidius ervi — Coccinella septempunctata

Host/Prey Genus, species, author: Acyrthosiphon pisum (Harris)
Common name of host/prey: pea aphid
Species Released: Aphidius ervi — Coccinella septempunctata
Ephedrus plagiator

Host/Prey Genus, species, author: Cinara strobi (Fitch)
Common name of host/prey: white pine aphid
Species Released: Harmonia axyridis — Harmonia conformis

Host/Prey Genus, species, author: Eucallipterus tiliae (Linnaeus)
Common name of host/prey: lime aphid
Species Released: Praon flavinode

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Host/Prey Genus, species, author: Monellia caryella (Fitch)
Common name of host/prey: blackmargined aphid
Species Released: Harmonia axyridis — Harmonia conformis

Host/Prey Genus, species, author: Monelliopsis pecanis Bissell
Common name of host/prey:
Species Released: Harmonia axyridis — Harmonia conformis

Host/Prey Genus, species, author: Schizaphis graminum (Rondani)
Common name of host/prey: greenbug
Species Released: Aphidius matricariae — Ephedrus plagiator

Host/Prey Genus, species, author: aphids
Common name of host/prey: aphids
Species Released: Ephedrus plagiator — Harmonia axyridis

Host/Prey Genus, species, author: aphids, arboreal
Common name of host/prey:
Species Released: Harmonia axyridis

Family of Host/Prey: Coccidae
Host/Prey Genus, species, author: Parthenolecanium quercifex (Fitch)
Common name of host/prey: oak lecanium
Species Released: Anthribus nebulosus

Host/Prey Genus, species, author: Pulvinaria delotti Gill
Common name of host/prey:
Species Released: Encyrtus saliens — Exochomus flavipes
Hyperaspis senegalensis hottentotta — Metaphycus funicularis
Metaphycus stramineus

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Host/Prey Genus, species, author: Pulvinariella mesembryanthemi (Vallot)
Common name of host/prey: ice plant scale

Species Released:	Encyrtus saliens	Exochomus flavipes
	Hyperaspis senegalensis hottentotta	Metaphycus funicularis
	Metaphycus stramineus	

Host/Prey Genus, species, author: Saissetia oleae (Olivier)
Common name of host/prey: black scale

Species Released:	Coccophagus rusti	Prococcophagus probus
	Prococcophagus saissetia	

Family of Host/Prey: Diaspididae
Host/Prey Genus, species, author: Aonidiella aurantii (Maskell)
Common name of host/prey: California red scale

Species Released:	Aphytis melinus	Aphytis sp.
	Aspidiotiphagus sp.	Comperiella sp.
	Encarsia sp.	Habrolepis sp.

Family of Host/Prey: Eriococcidae
Host/Prey Genus, species, author: Cryptococcus fagisuga Lindinger
Common name of host/prey: beech scale
Species Released: Harmonia axyridis

Family of Host/Prey: Psyllidae
Host/Prey Genus, species, author: Psylla pyricola Förster
Common name of host/prey: pear psylla

Species Released:	Calvia quatuordecimguttata	Harmonia axyridis
	Harmonia conformis	Menochilus quadriplagiatus
	Oenopia conglobata	Propylea quatuordecimpunctata

Order of Host/Prey: Hymenoptera
Family of Host/Prey: Diprionidae
Host/Prey Genus, species, author: Diprion similis (Hartig)
Common name of host/prey: introduced pine sawfly

Species Released:	Chrysonotomyia formosa	Chrysonotomyia ruforum
	Chrysonotomyia sp. "green"	Dipriocampe diprioni
	Monodontomerus dentipes	

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Host/Prey Genus, species, author: Neodiprion sertifer (Geoffroy)
Common name of host/prey: European pine sawfly
Species Released: Lophyroplectus oblongopunctatus

Family of Host/Prey: Tenthredinidae
Host/Prey Genus, species, author: Fenusa pusilla (Lepeletier)
Common name of host/prey: birch leafminer
Species Released: Chrysocharis nitetis — Grypocentrus albipes
Lathrolestes minutus

Host/Prey Genus, species, author: Pristiphora erichsonii (Hartig)
Common name of host/prey: larch sawfly
Species Released: Olesicampe benefactor

Order of Host/Prey: Lepidoptera
Family of Host/Prey: ?
Host/Prey Genus, species, author: ?
Species Released: Compsilura concinnata — Meteorus pulchricornis

Family of Host/Prey: Arctiidae
Host/Prey Genus, species, author: Hyphantria cunea (Drury)
Common name of host/prey: fall webworm
Species Released: Compsilura concinnata — Glyptapanteles flavicoxis

Family of Host/Prey: Coleophoridae
Host/Prey Genus, species, author: Coleophora laricella (Hübner)
Common name of host/prey: larch casebearer
Species Released: Chrysocharis laricinellae — Diadegma laricinellum

Family of Host/Prey: Gelechiidae
Host/Prey Genus, species, author: Keiferia lycopersicella (Walsingham)
Common name of host/prey: tomato pinworm
Species Released: Apanteles scutellaris — Campoplex n. sp.

Host/Prey Genus, species, author: Pectinophora gossypiella (Saunders)
Common name of host/prey: pink bollworm
Species Released: Chelonus mccombi — Diadegma sp.
Goniozus legneri

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Family of Host/Prey: Geometridae
Host/Prey Genus, species, author: Alsophila pometaria (Harris)
Common name of host/prey: fall cankerworm
Species Released: Coccygomimus disparis

Host/Prey Genus, species, author: Operophtera brumata (Linnaeus)
Common name of host/prey: winter moth
Species Released: Agrypon flaveolatum — Cyzenis albicans

Host/Prey Genus, species, author: Operophtera occidentalis (Hulst)
Common name of host/prey:
Species Released: Agrypon flaveolatum

Host/Prey Genus, species, author: Sabulodes aegrotata (Guenée)
Common name of host/prey: omnivorous looper
Species Released: Trichogramma platneri

Family of Host/Prey: Lasiocampidae
Host/Prey Genus, species, author: Malacosoma americanum (Fabricius)
Common name of host/prey: eastern tent caterpillar
Species Released: Compsilura concinnata — Eocanthecona furcellata
Meteorus pulchricornis

Family of Host/Prey: Lymantriidae
Host/Prey Genus, species, author: Lymantria dispar (Linnaeus)
Common name of host/prey: gypsy moth
Species Released: Anastatus disparis — Brachymeria intermedia
Calosoma sycophanta — Coccygomimus disparis
Compsilura concinnata — Cotesia melanoscelus
Dinorhynchus dybowskyi — Glyptapanteles flavicoxis
Meteorus pulchricornis — Ooencyrtus kuvanae
Rogas lymantriae

Family of Host/Prey: Noctuidae
Host/Prey Genus, species, author: Anticarsia gemmatalis Hübner
Common name of host/prey: velvetbean caterpillar
Species Released: Eocanthecona furcellata — Euplectrus puttleri

Host/Prey Genus, species, author: Helicoverpa zea (Boddie)
Common name of host/prey: corn earworm, bollworm
Species Released: Microplitis demolitor — Trichogramma pretiosum

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Host/Prey Genus, species, author: Heliothis virescens (Fabricius)
Common name of host/prey: tobacco budworm
Species Released: Microplitis demolitor — Trichogramma pretiosum

Host/Prey Genus, species, author: Pseudoplusia includens (Walker)
Common name of host/prey: soybean looper
Species Released: Cotesia ruficrus — Eocanthecona furcellata
Microplitis demolitor — Pediobius facialis
Voria ruralis

Host/Prey Genus, species, author: Trichoplusia ni (Hübner)
Common name of host/prey: cabbage looper
Species Released: Cotesia ruficrus — Microplitis demolitor
Pediobius facialis

Family of Host/Prey: Pieridae
Host/Prey Genus, species, author: Pieris rapae (Linnaeus)
Common name of host/prey: imported cabbageworm
Species Released: Compsilura concinnata — Glyptapanteles flavicoxis

Family of Host/Prey: Plutellidae
Host/Prey Genus, species, author: Plutella xylostella (Linnaeus)
Common name of host/prey: diamondback moth
Species Released: Cotesia plutellae

Family of Host/Prey: Pyralidae
Host/Prey Genus, species, author: Amyelois transitella (Walker)
Common name of host/prey: navel orangeworm
Species Released: Chelonus mccombi — Diadegma sp.
Goniozus legneri — Pentalitomastix plethoricus
Phanerotoma sp.

Host/Prey Genus, species, author: Diatraea grandiosella (Dyar)
Common name of host/prey: southwestern corn borer
Species Released: Iphiaulax sp.

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PART B - Target Host/Prey Arranged Alphabetically by Class, Order, Family, Genus, Species with Alphabetical List of Introduced Beneficial Species Released Against It; Target Host/Prey Arranged Alphabetically by Common Name

Host/Prey Genus, species, author: Diatraea saccharalis (Fabricius)
Common name of host/prey: sugarcane borer
Species Released: Iphiaulax sp.

Family of Host/Prey: Saturniidae
Host/Prey Genus, species, author: Hemileuca oliviae Cockerell
Common name of host/prey: range caterpillar
Species Released: Brachymeria intermedia — Brachymeria lasus
Coccygomimus disparis

Family of Host/Prey: Tortricidae
Host/Prey Genus, species, author: Amorbia cuneana (Walsingham)
Common name of host/prey: western avocado leafroller
Species Released: Trichogramma platneri

Host/Prey Genus, species, author: Rhyacionia frustrana (Comstock)
Common name of host/prey: Nantucket pine tip moth
Species Released: Campoplex frustranae — Scambus aplopappi

Family of Host/Prey: Zygaenidae
Host/Prey Genus, species, author: Harrisina brillians Barnes & McDunnough
Common name of host/prey: western grapeleaf skeletonizer
Species Released: Ametadoria misella — Glyptapanteles harrisinae

Order of Host/Prey: Orthoptera
Family of Host/Prey: Gryllotalpidae
Host/Prey Genus, species, author: Scapteriscus acletus Rehn & Hebard
Common name of host/prey: southern mole cricket
Species Released: Larra bicolor

Host/Prey Genus, species, author: Scapteriscus vicinus Scudder
Common name of host/prey: tawny mole cricket
Species Released: Larra bicolor

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Common Name	Genus-species	Order:Family
--	Diaprepes abbreviatus	Coleoptera:Curculionidae
--	Monelliopsis pecanis	Homoptera:Aphididae
--	Operophtera occidentalis	Lepidoptera:Geometridae
--	Pulvinaria delotti	Homoptera:Coccidae
alfalfa blotch leafminer	Agromyza frontella	Diptera:Agromyzidae
alfalfa plant bug	Adelphocoris lineolatus	Heteroptera:Miridae
alfalfa weevil	Hypera postica	Coleoptera:Curculionidae
aphids	aphids	Homoptera:Aphididae
avocado brown mite	Oligonychus punicae	Acariformes:Tetranychidae
beech scale	Cryptococcus fagisuga	Homoptera:Eriococcidae
birch leafminer	Fenusa pusilla	Hymenoptera:Tenthredinidae
black scale	Saissetia oleae	Homoptera:Coccidae
blackmargined aphid	Monellia caryella	Homoptera:Aphididae
blue alfalfa aphid	Acyrthosiphon kondoi	Homoptera:Aphididae
broad mite	Polyphagotarsonemus latus	Acariformes:Tarsonemidae
brown garden snail	Helix aspersa	Pulmonata:Helicidae
brownbanded cockroach	Supella longipalpa	Blattodea:Blattellidae
cabbage looper	Trichoplusia ni	Lepidoptera:Noctuidae
California red scale	Aonidiella aurantii	Homoptera:Diaspididae
Caribbean fruit fly	Anastrepha suspensa	Diptera:Tephritidae
carmine spider mite	Tetranychus cinnabarinus	Acariformes:Tetranychidae
cereal leaf beetle	Oulema melanopus	Coleoptera:Chrysomelidae
citrus blackfly	Aleurocanthus woglumi	Homoptera:Aleyrodidae
citrus red mite	Panonychus citri	Acariformes:Tetranychidae
citrus whitefly	Dialeurodes citri	Homoptera:Aleyrodidae
Colorado potato beetle	Leptinotarsa decemlineata	Coleoptera:Chrysomelidae
corn earworm, bollworm	Helicoverpa zea	Lepidoptera:Noctuidae
diamondback moth	Plutella xylostella	Lepidoptera:Plutellidae
driedfruit beetle	Carpophilus hemipterus	Coleoptera:Nitidulidae
eastern tent caterpillar	Malacosoma americanum	Lepidoptera:Lasiocampidae
Egyptian alfalfa weevil	Hypera brunnipennis	Coleoptera:Curculionidae
elm leaf beetle	Pyrrhalta luteola	Coleoptera:Chrysomelidae
European pine sawfly	Neodiprion sertifer	Hymenoptera:Diprionidae
fall cankerworm	Alsophila pometaria	Lepidoptera:Geometridae
fall webworm	Hyphantria cunea	Lepidoptera:Arctiidae
greenbug	Schizaphis graminum	Homoptera:Aphididae
greenhouse whitefly	Trialeurodes vaporariorum	Homoptera:Aleyrodidae
gypsy moth	Lymantria dispar	Lepidoptera:Lymantriidae
horn fly	Haematobia irritans	Diptera:Muscidae
house fly	Musca domestica	Diptera:Muscidae
ice plant scale	Pulvinariella mesembryanthemi	Homoptera:Coccidae
imported cabbageworm	Pieris rapae	Lepidoptera:Pieridae

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Common Name	Genus-species	Order:Family
introduced pine sawfly	Diprion similis	Hymenoptera:Diprionidae
Japanese bayberry whitefly	Parabemisia myricae	Homoptera:Aleyrodidae
larch casebearer	Coleophora laricella	Lepidoptera:Coleophoridae
larch sawfly	Pristiphora erichsonii	Hymenoptera:Tenthredinidae
leafminer	Liriomyza trifolii	Diptera:Agromyzidae
lime aphid	Eucallipterus tiliae	Homoptera:Aphididae
Mexican bean beetle	Epilachna varivestis	Coleoptera:Coccinellidae
Nantucket pine tip moth	Rhyacionia frustrana	Lepidoptera:Tortricidae
navel orangeworm	Amyelois transitella	Lepidoptera:Pyralidae
oak lecanium	Parthenolecanium quercifex	Homoptera:Coccidae
omnivorous looper	Sabulodes aegrotata	Lepidoptera:Geometridae
Pacific spider mite	Tetranychus pacificus	Acariformes:Tetranychidae
pea aphid	Acyrthosiphon pisum	Homoptera:Aphididae
pear psylla	Psylla pyricola	Homoptera:Psyllidae
pineapple souring beetle	Carpophilus humeralis	Coleoptera:Nitidulidae
pink bollworm	Pectinophora gossypiella	Lepidoptera:Gelechiidae
range caterpillar	Hemileuca oliviae	Lepidoptera:Saturniidae
sixspotted mite	Eotetranychus sexmaculatus	Acariformes:Tetranychidae
smaller Europ. elm bark beetle	Scolytus multistriatus	Coleoptera:Scolytidae
southern corn rootworm	Diabrotica undecimpunctata howardi	Coleoptera:Chrysomelidae
southern green stink bug	Nezara viridula	Heteroptera:Pentatomidae
southern mole cricket	Scapteriscus acletus	Orthoptera:Gryllotalpidae
southwestern corn borer	Diatraea grandiosella	Lepidoptera:Pyralidae
soybean looper	Pseudoplusia includens	Lepidoptera:Noctuidae
spiraling whitefly	Aleurodicus dispersus	Homoptera:Aleyrodidae
squash bug	Anasa tristis	Heteroptera:Coreidae
stable fly	Stomoxys calcitrans	Diptera:Muscidae
sugarcane borer	Diatraea saccharalis	Lepidoptera:Pyralidae
tarnished plant bug	Lygus lineolaris	Heteroptera:Miridae
tawny mole cricket	Scapteriscus vicinus	Orthoptera:Gryllotalpidae
tobacco budworm	Heliothis virescens	Lepidoptera:Noctuidae
tomato pinworm	Keiferia lycopersicella	Lepidoptera:Gelechiidae
twospotted spider mite	Tetranychus urticae	Acariformes:Tetranychidae
vegetable leafminer	Liriomyza sativae	Diptera:Agromyzidae
velvetbean caterpillar	Anticarsia gemmatalis	Lepidoptera:Noctuidae
walnut husk fly	Rhagoletis completa	Diptera:Tephritidae
western avocado leafroller	Amorbia cuneana	Lepidoptera:Tortricidae
western grapeleaf skeletonizer	Harrisina brillians	Lepidoptera:Zygaenidae
western lygus bug	Lygus hesperus	Heteroptera:Miridae
white pine aphid	Cinara strobi	Homoptera:Aphididae
winter moth	Operophtera brumata	Lepidoptera:Geometridae
woolly whitefly	Aleurothrixus floccosus	Homoptera:Aleyrodidae

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PART A - Arranged Alphabetically by Genus-species of Released Organism, State, County

Species Released Genus Species, Subspecies Author Order, Family	Origin Country,State/Prov,Co Facilities Collector Acronym/ Initials	Released - State, County Total, Stage Month	No. of Sites /SEE NOTES	File Number Releaser Acronym, Name * = Specimens Kept	Target Host (at time of release) Genus Species, Subspecies Author, Common Name
Agasicles hygrophila Selman & Vogt Coleoptera Chrysomelidae	FL, Osceola CEJFL/JM, GG	AL Baldwin 7500e A Apr	1	CEJFL-MD-81-0001-2 CEMAL ALDCNR Eubanks, M J Zolczynski, J	Alternanthera philoxeroides (C. Martius) Griseb. alligatorweed
	FL, Osceola CEJFL/JM, GG	AL Jackson 4800e A May	4	CEJFL-MD-81-0002 TVAMSAL Bates, A L	SAME
	FL, Osceola CEJFL/JM, GG	AL Marshall 1200e A May	1	CEJFL-MD-81-0002-1 TVAMSAL Bates, A L	SAME
	FL, Osceola CEJFL/JM, GG	AL Mobile 1500e A Apr	1	CEJFL-MD-81-0001-1 CEMAL ALDCNR Eubanks, M J Zolczynski, J	SAME
	FL, Osceola CEJFL/JM, GG	LA Iberville 600e A May	1	CEJFL-MD-81-0003-8 CENOLA Montz, G N	SAME
	FL, Osceola CEJFL/JM, GG	LA Lafourche 1200e A May	2	CEJFL-MD-81-0003 CENOLA Cali, F Montz, G N	SAME
	FL, Osceola CEJFL/JM, GG	LA St Charles 3000e A May	3	CEJFL-MD-81-0003 CENOLA Cali, F	SAME
	FL, Osceola CEJFL/JM, GG	LA St John /Baptist 600e A May	1	CEJFL-MD-81-0003-4 CENOLA Cali, F	SAME

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Agasicles hygrophila Selman & Vogt Coleoptera Chrysomelidae	FL, Osceola CEJFL/JM, GG	LA St Mary 600e A May	1	CEJFL-MD-81-0003-7 CENOLA Montz, G N	Alternanthera philoxeroides (C. Martius) Griseb. alligatorweed
	FL, Osceola CEJFL/PM, GG	MS Leflore 3000e A Jun	1	CEJFL-MD-81-0004 MSDWC Barkley, H	SAME
Amynothrips andersoni O'Neill Thysanoptera Phlaeothripidae	FL, Duval CEJFL/MD	TX Jasper 4500e A,L Sep NOTE: 034	1	CEJFL-MD-81-0005-2 CEVMS Cofrancesco, A F	SAME
	FL, Duval CEJFL/MD	TX Jefferson 4500e A,L Sep NOTE: 034	1	CEJFL-MD-81-0005-1 CEVMS Cofrancesco, A F	SAME
Ceutorhynchus litura (Fabricius) Coleoptera Curculionidae	MT, Gallatin MTSUC/JMS	MT Flathead 75e L Jun	1	MTSUC-JMS-81-0004-1 MTSUC Story, J M	Cirsium arvense (L.) Scop. Canada thistle
	MT, Gallatin MTSUC/JMS	MT Gallatin 75e L Jun	1	MTSUC-JMS-81-0004-2 MTSUC MTSUPSS Story, J M Fay, P K	SAME
	MT, Gallatin MTSUC/JMS	MT Judith Basin 75e L Jun	1	MTSUC-JMS-81-0004-3 MTSUC MTSUM Story, J M Rardon, P L	SAME

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Ceutorhynchus litura (Fabricius) Coleoptera Curculionidae	MT, Gallatin MTSUC/JMS	MT Roosevelt 75e L 1 Jun	MTSUC-JMS-81-0004-4 MTSUC Story, J M	Cirsium arvense (L.) Scop. Canada thistle
	MT, Gallatin MTSUC/JMS	MT Yellowstone 75e L 1 Jun	MTSUC-JMS-81-0004-5 MTSUC Story, J M	SAME
Chrysolina quadrigemina (Suffrian) Coleoptera Chrysomelidae	CA, Placer CA, El Dorado CA, Shasta & Amador CABCSP/GEH, DBJ	CA Madera 1200e A 1 May	CABCSP-CDH-81-0001-3 CABCSP CAMACODA Brunetti, K Tipton, G	Hypericum perforatum Linnaeus common St. Johnswort
	CA, Placer CA, El Dorado CA, Shasta & Amador CABCSP/GEH, DBJ	CA Mariposa 5200e A 2 May	CABCSP-CDH-81-0001 CABCSP NPSYNP Brunetti, K Botti, S	SAME
Coleophora klimeschiella Toll Lepidoptera Coleophoridae	CA, Fresno CABCSP/BV, JH	CA Sacramento 500e L,P 1 Jun	CABCSP-CDH-81-0002 CABCSP CADT Hunter, C D Cassidy, D	Salsola australis R. Br. Russian thistle
	CA, Fresno CABCSP/BV, GL	CA Yolo 1500e L,P 1 Jun	CABCSP-CDH-81-0003 CABCSP CAYOCODA Joley, D B Perkins, R	SAME
	CA, Fresno BCWRL/AM, GRJ	CO Mesa 500e L,P 1 Aug	BCWRL-RWP-81-0072 CODA Stahl, F J	SAME

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Coleophora klimeschiella Toll Lepidoptera Coleophoridae	CA, Fresno BCWRL/AM, GRJ	CO Mesa 143 A Aug	1	BCWRL-RWP-81-0080 CODA Merlino, A J Stahl, F J	Salsola australis R. Br. Russian thistle
	USA CA BCWRL/AM, GRJ	HI Hawaii 160 A Aug	1	HDA-81-0008 HDAH Yoshioka, E R	SAME
	CA, Fresno BCWRL/AM, GRJ	KS Ellis 500e L,P,A Jul	1	BCWRL-RWP-81-0064 KSSU Horber, E K	SAME
	CA, Fresno BCWRL/AM, GRJ	KS Russell 113 A Aug	2	BCWRL-RWP-81-0082 KSSU Horber, E K	SAME
	CA, Fresno BCWRL/AM, GRJ	MN Dakota 135 A Aug	1	BCWRL-RWP-81-0079 UMNEXT Strand, O E Lofgren, J A	SAME
	CA, Fresno BCWRL/AM, GRJ	MT Judith Basin 480e L,P Aug	1	BCWRL-RWP-81-0070 MTSUC Story, J M	SAME
	CA, Fresno BCWRL/AM, GRJ	MT Judith Basin 141 A Aug	1	BCWRL-RWP-81-0081 MTSUM Rardon, P	SAME
	CA, Fresno BCWRL/AM, GRJ	SD Brookings 490e L,P Jul	1	BCWRL-RWP-81-0063 SDSU Kantack, B H	SAME
	CA, Fresno BCWRL/AM, GRJ	SD Brookings 126 A Aug	1	BCWRL-RWP-81-0077 SDSU Kantack, B H	SAME

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Coleophora klimeschiella Toll Lepidoptera Coleophoridae	CA, Fresno BCWRL/AM, GRJ	TX Potter 500e L,P 2 Aug	BCWRL-RWP-81-0069 TAMUB Green, J J	Salsola australis R. Br. Russian thistle
	CA, Fresno BCWRL/AM, GRJ	TX Reeves 971e L,P 1 Jul	BCWRL-RWP-81-0062 TXSRU Richerson, J V	SAME
	CA, Fresno BCWRL/AM, GRJ	WA Whitman 500e L,P 1 Jul	BCWRL-RWP-81-0065 WASU Piper, G L	SAME
	CA, Fresno BCWRL/AM, GRJ	WA Whitman 500e L,P 1 Aug	BCWRL-RWP-81-0073 WASU Piper, G L	SAME
	CA, Fresno BCWRL/AM, GRJ	WY Sweetwater 494 L,P 1 Jul	BCWRL-RWP-81-0067 UWY Lavigne, R J Duffy, C J	SAME
Coleophora parthenica Meyrick Lepidoptera Coleophoridae	CA, Fresno BCWRL/AM, GRJ	MN Dakota 70 A 1 Aug	BCWRL-RWP-81-0078 UMNEXT Strand, O E Lofgren, J A	SAME
	CA, Fresno BCWRL/AM, GRJ	SD Brookings 69 A 1 Aug	BCWRL-RWP-81-0076 SDSU Kantack, B H	SAME
	CA, Fresno BCWRL/AM, GRJ	WA Whitman 64 A 1 Aug	BCWRL-RWP-81-0075 WASU Piper, G L	SAME

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Cystiphora schmidti (Rübsaamen) Diptera Cecidomyiidae	CA, Placer CABCSP/	CA San Luis Obispo 1000e A,L,P 4 Aug NOTE: 034, 076	CABCSP-CDH-81-0006 CABCSP Casanave, K A Brunetti, K	Chondrilla juncea Linnaeus rush skeletonweed
Metzneria paucipunctella Zeller Lepidoptera Gelechiidae	Canada CAMABC/RSC	ID Bonner 188 A 1 Jul	BCWRL-81-0046-2 UID Johnson, J B Merickel, F W	Centaurea maculosa Lam. spotted knapweed
	Canada CAMABC/RSC CAMABC MTSUC/JMS	ID Bonner 190 A 1 Jul	BCWRL-81-0051-1 UID Gillespie, R L	SAME
	Canada CAMABC/RSC CAMABC MTSUC/JMS	ID Idaho 185 A 1 Jul	BCWRL-81-0051-2 UID Merickel, F W	SAME
	Canada CAMABC/RSC	ID Kootenai 190 A 1 Jul	BCWRL-81-0046-1 UID Johnson, J B Merickel, F W	SAME
	Canada CAMABC/RSC	MT Ravalli 111 A 1 Jun	BCWRL-81-0037 MTSUC Story, J M	SAME
	Canada CAMABC/RSC CAMABC MTSUC/JMS	MT Ravalli 372 A 1 Jul	BCWRL-81-0049 MTSUC Story, J M	SAME

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Metzneria paucipunctella Zeller Lepidoptera Gelechiidae	Canada CAMABC/RSC CAMABC MTSUC/JMS	MT Ravalli 254 A 1 Jul	BCWRL-81-0055 MTSUC Story, J M	Centaurea maculosa Lam. spotted knapweed
	Canada CAMABC/RSC CAMABC MTSUC/JMS	MT Ravalli 301 A 1 Jul	BCWRL-81-0061 MTSUC Story, J M	SAME
	Canada CAMABC/RSC	OR Deschutes 198 A 1 Jul	BCWRL-81-0043 ORDA Hawkes, R B	SAME
	Canada CAMABC/RSC CAMABC MTSUC/JMS	OR Deschutes 387 A 1 Jul	BCWRL-81-0059 ORDA Hawkes, R B	Centaurea diffusa Lam. diffuse knapweed
	Canada CAMABC/RSC	WA Spokane 150 A 1 Jul	BCWRL-81-0045-1 WASU Piper, G L	Centaurea maculosa Lam. spotted knapweed
	Canada CAMABC/RSC CAMABC MTSUC/JMS	WA Spokane 110 A 1 Aug	BCWRL-81-0074 WASU Piper, G L	SAME
	Canada CAMABC/RSC	WA Whitman 150 A 1 Jul	BCWRL-81-0045-2 WASU Piper, G L	SAME
	Canada CAMABC/RSC CAMABC MTSUC/JMS	WA Whitman 400 A 1 Jul	BCWRL-81-0053 WASU Piper, G L	SAME

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Microlarinus lareynii (Jacquelin du Val) Coleoptera Curculionidae	CA, Tulare CABCSP/BV	CA Santa Clara 150e A Aug	2	CABCSP-CDH-81-0007 CABCSP Bezark, L G	Tribulus terrestris Linnaeus puncturevine
	CO, Baca CO, Prowers CODA/DMN, DMN	CO Mesa 1750 A Sep	1	CODA-DMN-81-0004 CODA Nees, D M	SAME
Microlarinus lypriformis (Wollaston) Coleoptera Curculionidae	CA, Tulare CABCSP/BV	CA Santa Clara 150e A Aug	2	CABCSP-CDH-81-0008 CABCSP Bezark, L G	SAME
Neochetina bruchi Hustache Coleoptera Curculionidae	FL, Alachua FBCL/CAB	CZ 4 A Mar NOTE: 108	1	CZRFT-RFT-81-0001 CZRFT Theriot, R F	Eichornia crassipes (C. Martius) Solms-Laub. waterhyacinth
	USA, FL FBCL	TX Chambers 150e A,L Aug	1	CEVMS-AFC-81-0005 CEVMS Cofrancesco, A F	SAME
Neochetina eichhorniae Warner Coleoptera Curculionidae	LA, St Charles CEVMS/AFC	TX Jefferson 500e A Apr	1	CEVMS-AFC-81-0001 CEVMS Cofrancesco, A F	SAME
Oberea erythrocephala (Schrank) Coleoptera Cerambycidae	Italy BCWLE/AR, PP	OR Klamath 124 A Jun to Jul	1	BCWRL-81-2041 BCWRL Pemberton, R W	Euphorbia sp.

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Oberea erythrocephala (Schrank) Coleoptera Cerambycidae	Italy BCWLE/AR, PP	WY Crook 23 A 1 Jul	BCWRL-81-1041-1 UWY Lavigne, R J	Euphorbia esula Linnaeus leafy spurge
	Italy BCWLE/AR, PP	WY Fremont 108 A 1 Jul	BCWRL-81-0050 UWY Lavigne, R J	SAME
	Italy BCWLE/AR, PP	WY Sheridan 23 A 1 Jul	BCWRL-81-1041-2 UWY Lavigne, R J	SAME
Rhinocyllus conicus (Froelich) Coleoptera Curculionidae	CA, San Luis Obispo UCR/RDG	CA Santa Barbara 1000 A 2 Apr	UCR-RDG-81-0001 UCR Goeden, R D	Carduus pycnocephalus Linnaeus Italian thistle
	CO, Larimer CO, Mesa CODA/FJS, AJM	CO Delta 4000e A 1 Jun	CODA-FJS-81-0001-2 CODA Stahl, F J	Carduus nutans Linnaeus musk thistle Cirsium sp.
	CO, Larimer CO, Mesa CODA/FJS, AJM	CO Douglas 25000e A 1 Jun	CODA-FJS-81-0001-3 CODA Stahl, F J	Carduus nutans Linnaeus musk thistle Cirsium sp.
	CO, Larimer CO, Mesa CODA/FJS, AJM	CO LaPlata 1500e A 1 Jun	CODA-FJS-81-0001-7 CODA Stahl, F J	Carduus nutans Linnaeus musk thistle Cirsium sp.

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Rhinocyllus conicus (Froelich) Coleoptera Curculionidae	CO, Larimer CO, Mesa CODA/FJS, AJM	CO Mesa 11500e A 1 Jun	CODA-FJS-81-0001-4 CODA Stahl, F J	Carduus nutans Linnaeus musk thistle Cirsium sp.
	CO, Larimer CO, Mesa CODA/FJS, AJM	CO Montezuma 4000e A 1 Jun	CODA-FJS-81-0001-6 CODA Stahl, F J	Carduus nutans Linnaeus musk thistle Cirsium sp.
	CO, Larimer CO, Mesa CODA/FJS, AJM	CO Montrose 1000e A 1 Jun	CODA-FJS-81-0001-8 CODA Stahl, F J	Carduus nutans Linnaeus musk thistle Cirsium sp.
	CO, Larimer CO, Mesa CODA/FJS, AJM	CO Pitkin 5000e A 1 Jun	CODA-FJS-81-0001-5 CODA Stahl, F J	Carduus nutans Linnaeus musk thistle Cirsium sp.
	CO, Larimer CO, Mesa CODA/FJS, AJM	CO Weld 1000e A 1 May	CODA-FJS-81-0001-1 CODA Stahl, F J	Carduus nutans Linnaeus musk thistle Cirsium sp.
	MT, Gallatin COLL/XX	IA Story ? e A 1 May NOTE: 099	COLL-X-81-0001 IASUEXT DeWitt, J R	Carduus nutans leiophyllus (Petr.) Stoj. & Stef. musk/nodding thistle

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Rhinocyllus conicus (Froelich) Coleoptera Curculionidae	NE, Valley COMJJHNE/JJH	KS Cloud 8000e A,P Jul NOTE: 100, 099	1	COMJJHNE-JJH-81-0007 KS-2 Bus.Customer, JJH	Carduus nutans leiophyllus (Petr.) Stoj. & Stef. musk/nodding thistle
	NE, Valley COMJJHNE/JJH	KS Nemaha 10000e A,P Jul NOTE: 100, 099	1	COMJJHNE-JJH-81-0003 KS-1 Bus.Customer, JJH	SAME
	MO, Webster MODA/JAD, LPB	MO Andrew 540e A May NOTE: 114	1	UMO-MLF-81-0003 MODA Burgess, L P	SAME
	MO, Webster MODA/JAD, LPB	MO Andrew 500e A May NOTE: 114	1	UMO-MLF-81-0005	SAME
	MO, Webster MODA/JAD, LPB	MO Barry 500e A May NOTE: 114	1	UMO-MLF-81-0006	SAME
	MO, Webster MODA/JAD, LPB	MO Bates 500e A May NOTE: 114	1	UMO-MLF-81-0007	SAME
	MO, Webster MODA/JAD, LPB	MO Benton 500e A May NOTE: 114	1	UMO-MLF-81-0008	SAME

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Rhinocyllus conicus (Froelich) Coleoptera Curculionidae	MO, Webster MODA/JAD, LPB	MO Boone 150e A 1 May NOTE: 114	UMO-MLF-81-0009	Carduus nutans leiophyllus (Petr.) Stoj. & Stef. musk/nodding thistle
	MO, Webster MODA/JAD, LPB	MO Caldwell 500e A 1 May NOTE: 114	UMO-MLF-81-0010	SAME
	MO, Webster MODA/JAD, LPB	MO Carroll 250e A 1 May NOTE: 114	UMO-MLF-81-0011	SAME
	MO, Webster MODA/JAD, LPB	MO Cass 500e A 1 May NOTE: 114	UMO-MLF-81-0002 MODA Dotson, J A	SAME
	MO, Webster MODA/JAD, LPB	MO Cedar 500e A 1 May NOTE: 114	UMO-MLF-81-0012	SAME
	MO, Webster MODA/JAD, LPB	MO Christian 500e A 1 May NOTE: 114	UMO-MLF-81-0013	SAME
	MO, Webster MODA/JAD, LPB	MO Clay 500e A 1 May NOTE: 114	UMO-MLF-81-0014	SAME

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Rhinocyllus conicus (Froelich) Coleoptera Curculionidae	MO, Webster MODA/JAD, LPB	MO Clinton 500e A 1 May NOTE: 114	UMO-MLF-81-0015	Carduus nutans leiophyllus (Petr.) Stoj. & Stef. musk/nodding thistle
	MO, Webster MODA/JAD, LPB	MO Crawford 500e A 1 May NOTE: 114	UMO-MLF-81-0016	SAME
	MO, Webster MODA/JAD, LPB	MO Dade 500e A 1 May NOTE: 114	UMO-MLF-81-0017	SAME
	NE, Valley COMJJHNE/JJH	MO Daviess 10000e A,P 1 Jul NOTE: 100, 099	COMJJHNE-JJH-81-0004 MO-1 Bus.Customer, JJH	SAME
	MO, Webster MODA/JAD, LPB	MO DeKalb 500e A 1 May NOTE: 114	UMO-MLF-81-0018	SAME
	MO, Webster MODA/JAD, LPB	MO Holt 500e A 1 May NOTE: 114	UMO-MLF-81-0019	SAME
	MO, Webster MODA/JAD, LPB	MO Howard 500e A 1 May NOTE: 114	UMO-MLF-81-0020	SAME

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Rhinocyllus conicus (Froelich) Coleoptera Curculionidae	MO, Webster MODA/JAD, LPB	MO Jackson 500e A 1 May NOTE: 114	UMO-MLF-81-0001 MODA Dotson, J A	Carduus nutans leiophyllus (Petr.) Stoj. & Stef. musk/nodding thistle
	MO, Webster MODA/JAD, LPB	MO Laclede 1000e A 2 May NOTE: 114	UMO-MLF-81-0021	SAME
	MO, Webster MODA/JAD, LPB	MO Linn 500e A 1 May NOTE: 114	UMO-MLF-81-0022	SAME
	MO, Webster MODA/JAD, LPB	MO Platte 550e A 1 May NOTE: 114	UMO-MLF-81-0004 MODA Burgess, L P	SAME
	MO, Webster MODA/JAD, LPB	MO Stone 500e A 1 May NOTE: 114	UMO-MLF-81-0023	SAME
	MO, Webster MODA/JAD, LPB	MO Taney 500e A 1 May NOTE: 114	UMO-MLF-81-0024	SAME
	MO, Webster MODA/JAD, LPB	MO Wright 500e A 1 May NOTE: 114	UMO-MLF-81-0025	SAME

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Rhinocyllus conicus (Froelich) Coleoptera Curculionidae	MT, Gallatin BLMDMT/RD	MT Beaverhead 1000e A 1 May	BLMDMT-HRC-81-0001 BLMDMT Cosgriffe, H R	Carduus nutans macrocephalus (Desf.) Nyman musk/nodding thistle
	MT, Gallatin RIL/NER WHWMT/WHW	MT Granite 1500e A 1 May	RIL-NER-81-0008 WHWMT Wallace, W H	SAME
	MT, Gallatin RIL/NER FWSMMT/MRK	MT Lake 2800e A 1 May	RIL-NER-81-0006 FWSMMT Kaschke, M R	SAME
	MT, Gallatin RIL/NER BIARMT/RLF	MT Lake 500e A 1 May	RIL-NER-81-0007 BIARMT Funke, R L	SAME
	MT, Gallatin FSHMT/LO	MT Lewis and Clark 500e A 1 May	FSHMT-EF-81-0001 FSHMT Fehlig, E	SAME
	MT, Gallatin RIL/NER MTSUEXT/LH	MT Lewis and Clark 1000e A 1 May	RIL-NER-81-0011 MTSUEXT Hoffman, L	SAME
	MT, Gallatin RIL/NER FSEMT/NF	MT Madison 2000e A 1 May	RIL-NER-81-0005 FSEMT Felblinger, N	SAME
	MT, Gallatin RIL/NER BFMT/BF	MT Meagher 500e A 1 May	RIL-NER-81-0015 BFMT Fries, B	SAME
	MT, Gallatin RIL/NER WGMT/WG	MT Musselshell 500e A 1 May	RIL-NER-81-0016 WGMT Goffena, W	SAME

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Rhinocyllus conicus (Froelich) Coleoptera Curculionidae	MT, Gallatin RIL/NER BBR/F&BB	MT Powell 1500e A 1 May	RIL-NER-81-0012 BBR Benson, F & B	Carduus nutans macrocephalus (Desf.) Nyman musk/nodding thistle
	MT, Gallatin RIL/NER CXMT/CX	MT Powell 500e A 1 May	RIL-NER-81-0017 CXMT X, C	SAME
	MT, Gallatin RIL/NER FSCMT/NK	MT Teton 1000e A 1 May	RIL-NER-81-0001 FSCMT Kid, N	SAME
	MT, Gallatin RIL/NER SCSCMT/SL	MT Teton 1000e A 1 May	RIL-NER-81-0002 SCSCMT Long, S	SAME
	MT, Gallatin RIL/NER MTSUEXT/JC	MT Teton 4500e A 1 May	RIL-NER-81-0004 MTSUEXT Cole, J	SAME
	MT, Gallatin RIL/NER MTFWP/HN	MT Teton 500e A 1 May	RIL-NER-81-0014 MTFWP Nyburg, H	SAME
	NE, Valley COMJJHNE/JJH	NE Buffalo 20000e A,P 1 Jul NOTE: 100, 099	COMJJHNE-JJH-81-0030 NE-18 Bus.Customer, JJH	Carduus nutans leiophyllus (Petr.) Stoj. & Stef. musk/nodding thistle
	NE, Valley COMJJHNE/JJH	NE Butler 50000e A,P 1 Jul NOTE: 100, 099	COMJJHNE-JJH-81-0018 NE-13 Bus.Customer, JJH	SAME

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Rhinocyllus conicus (Froelich) Coleoptera Curculionidae	NE, Valley COMJJHNE/JJH	NE Dawson 105000e A,P Jul NOTE: 100, 099	1	COMJJHNE-JJH-81-0010 NE-7 Bus.Customer, JJH	Carduus nutans leiophyllus (Petr.) Stoj. & Stef. musk/nodding thistle
	NE, Valley COMJJHNE/JJH	NE Franklin 320000e P,A Jul NOTE: 100, 099	1	COMJJHNE-JJH-81-0001 NE-1 Bus.Customer, JJH	SAME
	NE, Valley COMJJHNE/JJH	NE Franklin 192500e A,P Jul NOTE: 100, 099	1	COMJJHNE-JJH-81-0006 NE-4 Bus.Customer, JJH	SAME
	NE, Valley COMJJHNE/JJH	NE Franklin 20000e A,P Jul NOTE: 100, 099	1	COMJJHNE-JJH-81-0019 NE-14 Bus.Customer, JJH	SAME
	NE, Valley COMJJHNE/JJH	NE Franklin 40000e A,P Jul NOTE: 100, 099	1	COMJJHNE-JJH-81-0020 NE-15 Bus.Customer, JJH	SAME
	NE, Valley COMJJHNE/JJH	NE Franklin 100000e A,P Jul NOTE: 100, 099	1	COMJJHNE-JJH-81-0021 NE-1 Bus.Customer, JJH	SAME
	NE, Valley COMJJHNE/JJH	NE Greeley 20000e A,P Jul NOTE: 100, 099	1	COMJJHNE-JJH-81-0031 NE-19 Bus.Customer, JJH	SAME

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Rhinocyllus conicus (Froelich) Coleoptera Curculionidae	NE, Valley COMJJHNE/JJH	NE Howard 2000e A,P Jul NOTE: 100, 099	1	COMJJHNE-JJH-81-0013 NE-10 Bus.Customer, JJH	Carduus nutans leiophyllus (Petr.) Stoj. & Stef. musk/nodding thistle
	NE, Valley COMJJHNE/JJH	NE Johnson 10000e A,P Jul NOTE: 100, 099	1	COMJJHNE-JJH-81-0016 NE-12 Bus.Customer, JJH	SAME
	NE, Valley COMJJHNE/JJH	NE Knox 5000e A,P Jul NOTE: 100, 099	1	COMJJHNE-JJH-81-0005 NE-3 Bus.Customer, JJH	SAME
	NE, Valley COMJJHNE/JJH	NE Knox 10000e A,P Jul NOTE: 100, 099	1	COMJJHNE-JJH-81-0015 NE-3 Bus.Customer, JJH	SAME
	NE, Valley COMJJHNE/JJH	NE Knox 15000e A,P Jul NOTE: 100, 099	1	COMJJHNE-JJH-81-0022 NE-16 Bus.Customer, JJH	SAME
	NE, Valley COMJJHNE/JJH	NE Knox 15000e A,P Jul NOTE: 100, 099	1	COMJJHNE-JJH-81-0023 NE-16 Bus.Customer, JJH	SAME
	NE, Valley COMJJHNE/JJH	NE Knox 15000e A,P Jul NOTE: 100, 099	1	COMJJHNE-JJH-81-0024 NE-16 Bus.Customer, JJH	SAME

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Rhinocyllus conicus (Froelich) Coleoptera Curculionidae	NE, Valley COMJJHNE/JJH	NE Knox 3000e A,P 1 Jul NOTE: 100, 099	COMJJHNE-JJH-81-0025 NE-17 Bus.Customer, JJH	Carduus nutans leiophyllus (Petr.) Stoj. & Stef. musk/nodding thistle
	NE, Valley COMJJHNE/JJH	NE Knox 3000e A,P 1 Jul NOTE: 100, 099	COMJJHNE-JJH-81-0026 NE-16 Bus.Customer, JJH	SAME
	NE, Valley COMJJHNE/JJH	NE Knox 3000e A,P 1 Jul NOTE: 100, 099	COMJJHNE-JJH-81-0027 NE-16 Bus.Customer, JJH	SAME
	NE, Valley COMJJHNE/JJH	NE Knox 135000e A,P 1 Jul NOTE: 100, 099	COMJJHNE-JJH-81-0028 NE-16 Bus.Customer, JJH	SAME
	NE, Valley COMJJHNE/JJH	NE Knox 3000e A,P 1 Jul NOTE: 100, 099	COMJJHNE-JJH-81-0029 NE-16 Bus.Customer, JJH	SAME
	NE, Valley COMJJHNE/JJH	NE Merrick 52000e A,P 1 Jul NOTE: 100, 099	COMJJHNE-JJH-81-0012 NE-9 Bus.Customer, JJH	SAME
	NE, Valley COMJJHNE/JJH	NE Merrick 40000e A,P 1 Jul NOTE: 100, 099	COMJJHNE-JJH-81-0014 NE-11 Bus.Customer, JJH	SAME

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Rhinocyllus conicus (Froelich) Coleoptera Curculionidae	NE, Valley COMJJHNE/JJH	NE Merrick 5000e A,P 1 Jul NOTE: 100, 099	COMJJHNE-JJH-81-0017 NE-11 Bus.Customer, JJH	Carduus nutans leiophyllus (Petr.) Stoj. & Stef. musk/nodding thistle
	NE, Valley COMJJHNE/JJH	NE Merrick 40000e A,P 1 Jul NOTE: 100, 099	COMJJHNE-JJH-81-0032 NE-11 Bus.Customer, JJH	SAME
	NE, Valley COMJJHNE/JJH	NE Pawnee 60000e A,P 1 Jul NOTE: 100, 099	COMJJHNE-JJH-81-0008 NE-5 Bus.Customer, JJH	SAME
	NE, Valley COMJJHNE/JJH	NE Polk 2000e A,P 1 Jul NOTE: 100, 099	COMJJHNE-JJH-81-0002 NE-2 Bus.Customer, JJH	SAME
	NE, Valley COMJJHNE/JJH	NE Saunders 5000e A,P 1 Jul NOTE: 100, 099	COMJJHNE-JJH-81-0011 NE-8 Bus.Customer, JJH	SAME
	NE, Valley COMJJHNE/JJH	NE Sherman 5000e A,P 1 Jul NOTE: 100, 099	COMJJHNE-JJH-81-0009 NE-6 Bus.Customer, JJH	SAME
	NJ, Camden NJ, Gloucester NJDA/GWG, GWG	NJ Camden 500e A 1 May	NJDA-GWG-81-0001-1 NJDA Garrison, G W	SAME
	NJ, Camden NJ, Gloucester NJDA/GWG, GWG	NJ Gloucester 6000e A 9 May	NJDA-GWG-81-0001-2 NJDA Garrison, G W	SAME

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Rhinocyllus conicus (Froelich) Coleoptera Curculionidae	NJ, Camden NJ, Gloucester NJDA/GWG, GWG	NJ Hunterdon 3500e A 2 May	NJDA-GWG-81-0001-3 NJDA Mina, P J	Carduus nutans leiophyllus (Petr.) Stoj. & Stef. musk/nodding thistle
	NJ, Camden NJ, Gloucester NJDA/GWG, GWG	NJ Salem 5000e A 7 May	NJDA-GWG-81-0001-4 NJDA Garrison, G W	SAME Cirsium arvense (L.) Scop. Canada thistle
	NJ, Camden NJ, Gloucester NJDA/GWG, GWG	NJ Warren 7000e A 7 May	NJDA-GWG-81-0001-5 NJDA Schlaufman, C J	Carduus nutans leiophyllus (Petr.) Stoj. & Stef. musk/nodding thistle
	CA, Contra Costa BCWRL/AM, GRJ	OR Douglas 504 A 1 May	BCWRL-SSR-81-0025-2 ORDA Hawkes, R B	Silybum marianum (L.) Gaertner milk thistle
	MT, Gallatin RIL/NER	OR Harney ? e A 1 May	RIL-NER-81-0018 FWSBOR Mazzoni, J	Cirsium arvense (L.) Scop. Canada thistle
	CA, Contra Costa BCWRL/AM, GRJ	OR Polk 90 A 1 May	BCWRL-SSR-81-0025-1 ORDA Hawkes, R B	Silybum marianum (L.) Gaertner milk thistle
	MT, Gallatin RIL/NER	SD Charles Mix 4000e A 1 May	RIL-NER-81-0009 SDSUEXT Riechman, A	Carduus nutans leiophyllus (Petr.) Stoj. & Stef. musk/nodding thistle

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Rhinocyllus conicus (Froelich) Coleoptera Curculionidae	MT, Gallatin RIL/NER	SD Gregory 1500e A 1 May	RIL-NER-81-0010 SDSUEXT Lamp, L L	Carduus nutans leiophyllus (Petr.) Stoj. & Stef. musk/nodding thistle
	MT, Gallatin RIL/NER	SD Lawrence 7000e A 1 May	RIL-NER-81-0003 SDSUEXT Rezek, R	SAME
	MT, Gallatin CRLUT/JK, RC	UT Cache 3600e A 1 May	CRLUT-FBG-81-0001 CRLUT Gomm, F B	Carduus nutans Linnaeus musk thistle
	MT, Gallatin RIL/NER	UT Cache 1500e A 1 May	RIL-NER-81-0013 UTSUEXT Roberts, R S	SAME
	MT, Gallatin COLL/XX	UT Weber ? e A 1 May NOTE: 099	COLL-X-81-0002 FSOUT Curtis, D	SAME
	VA, Montgomery VPI/TM	VA Albemarle 500e A 1 May	VPI-LTK-81-0003-2 VPI McAvoy, T Mays, W	Carduus acanthoides Linnaeus plumeless thistle
	VA, Montgomery VPI/TM	VA Albemarle 1500e A 3 May	VPI-LTK-81-0004 VPI McAvoy, T Mays, W	Carduus nutans leiophyllus (Petr.) Stoj. & Stef. musk/nodding thistle
	VA, Montgomery VPI/TM	VA Augusta 1000e A 2 May	VPI-LTK-81-0009-1 VPI McAvoy, T Mays, W	SAME

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Rhinocyllus conicus (Froelich) Coleoptera Curculionidae	VA, Montgomery VPI/TM	VA Clarke 500e A 1 May	VPI-LTK-81-0002-1 VPI McAvoy, T Mays, W	Carduus nutans leiophyllus (Petr.) Stoj. & Stef. musk/nodding thistle
	VA, Montgomery VPI/TM	VA Culpeper 1000e A 2 May	VPI-LTK-81-0002-2 VPI McAvoy, T Mays, W	SAME
	VA, Montgomery VPI/TM	VA Fauquier 1000e A 2 May	VPI-LTK-81-0005-1 VPI McAvoy, T Mays, W	SAME
	VA, Montgomery VPI/TM	VA Fauquier 1000e A 2 May	VPI-LTK-81-0006-2 VPI McAvoy, T Mays, W	SAME
	VA, Montgomery VPI/TM	VA Fauquier 500e A 1 May	VPI-LTK-81-0007-3 VPI McAvoy, T Mays, W	SAME
	VA, Montgomery VPI/TM	VA Frederick 500e A 1 May	VPI-LTK-81-0008-1 VPI McAvoy, T Mays, W	SAME
	VA, Montgomery VPI/TM	VA Greene 500e A 1 May	VPI-LTK-81-0007-2 VPI McAvoy, T Mays, W	SAME

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Rhinocyllus conicus (Froelich) Coleoptera Curculionidae	VA, Montgomery VPI/TM	VA Loudoun 1000e A May	2	VPI-LTK-81-0001 VPI McAvoy, T Mays, W	Carduus nutans leiophyllus (Petr.) Stoj. & Stef. musk/nodding thistle
	VA, Montgomery VPI/TM	VA Louisa 1000e A May	2	VPI-LTK-81-0003-1 VPI McAvoy, T Mays, W	SAME
	VA, Montgomery VPI/TM	VA Madison 500e A May	1	VPI-LTK-81-0007-1 VPI McAvoy, T Mays, W	Carduus acanthoides Linnaeus plumeless thistle
	VA, Montgomery VPI/TM	VA Orange 500e A May	1	VPI-LTK-81-0005-2 VPI McAvoy, T Mays, W	Carduus nutans leiophyllus (Petr.) Stoj. & Stef. musk/nodding thistle
	VA, Montgomery VPI/TM	VA Orange 500e A May	1	VPI-LTK-81-0006-1 VPI McAvoy, T Mays, W	SAME
	VA, Montgomery VPI/TM	VA Rockbridge 500 A May	1	VPI-LTK-81-0009-2 VPI McAvoy, T Mays, W	SAME
					Carduus acanthoides Linnaeus plumeless thistle
	VA, Montgomery VPI/TM	VA Shenandoah 1000e A May	2	VPI-LTK-81-0008-2 VPI McAvoy, T Mays, W	Carduus nutans leiophyllus (Petr.) Stoj. & Stef. musk/nodding thistle

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Rhinocyllus conicus (Froelich) Coleoptera Curculionidae	? ?/	WV Berkeley ? A 3 May	WVDA-TLM-81-0001 WVDA Mason, T L	Carduus nutans leiophyllus (Petr.) Stoj. & Stef. musk/nodding thistle
	? ?/	WV Jefferson ? A 1 May	WVDA-TLM-81-0002 WVDA Mason, T L	SAME
	MT, Gallatin CCWPCD/LSS RIL/NER	WY Crook 2000e A 1 Aug	CCWPCD-JB-81-0001 CCWPCD Bornkessell, J	Carduus nutans Linnaeus musk thistle
	MT, Gallatin GCWPCD/RS RIL/NER	WY Goshen 2000e A 1 May	GCWPCD-RS-81-0001 GCWPCD Schwartzkopf, R	SAME
	MT, Gallatin LCWPCD/JH	WY Lincoln 6000e A 4 May	LCWPCD-JH-81-0001 LCWPCD Hurd, J	SAME
	MT, Gallatin PCWPCD/RRP RIL/NER	WY Park 2000e A 1 May	PCWPCD-RRP-81-0001 PCWPCD Parsons, R R	SAME
	MT, Gallatin SCWPCD/LB RIL/NER	WY Sublette 1500e A 1 May	SCWPCD-LB-81-0001 SCWPCD Burroughs, L	SAME
	MT, Gallatin SCWPCD/LB	WY Teton 1000e A 1 May	FSJWY-GS-81-0001 FSJWY Prevedel, D Connors, T	SAME

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Sameodes albiguttalis (Warren) Lepidoptera Pyralidae	USA, FL AWRLFL	LA St Martin 5000e E,L Jun NOTE: 034	1	CEVMS-AFC-81-0003 CEVMS Cofrancesco, A F	Eichornia crassipes (C. Martius) Solms-Laub. waterhyacinth
	USA, FL AWRLFL	LA Vermilion 2500e L Aug NOTE: 034	1	CEVMS-AFC-81-0004 CEVMS Cofrancesco, A F	SAME
	? ? ?/	TX Jefferson 3752e E,L,P Apr NOTE: 034	1	CEVMS-AFC-81-0002 CEVMS Cofrancesco, A F	SAME
Trichosirocalus horridus (Panzer) Coleoptera Curculionidae	Italy BCWLE/GC, NH BCWLE/GC	KS Pottawatomie 20e L Apr	1	BCWRL-81-0003-1 KSSU Horber, E K	Carduus nutans leiophyllus (Petr.) Stoj. & Stef. musk/nodding thistle
	Italy BCWLE/GC, NH BCWLE/GC	KS Pottawatomie 34e L Apr	1	BCWRL-81-0008-1 KSSU Horber, E K	SAME
	Italy BCWLE/GC, NH BCWLE/GC	KS Pottawatomie 60e L Apr	2	BCWRL-81-0011 KSSU Horber, E K	SAME
	Italy BCWLE/GC, NH BCWLE/GC	KS Pottawatomie 32 L Apr	1	BCWRL-80-0104-1 KSSU Horber, E K	SAME
	Italy BCWLE/GC, NH BCWLE/GC	KS Pottawatomie 20e L Jun	1	BCWRL-81-0021 KSSU Horber, E K	SAME

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Trichosirocalus horridus (Panzer) Coleoptera Curculionidae	Italy BCWLE/GC, NH BCWLE/GC	KS Riley 17e L 1 Apr	BCWRL-81-0003-2 KSSU Horber, E K	Carduus nutans leiophyllus (Petr.) Stoj. & Stef. musk/nodding thistle
	Italy BCWLE/GC, NH BCWLE/GC	KS Riley 16e L 1 Apr	BCWRL-81-0008-2 KSSU Horber, E K	SAME
	Italy BCWLE/GC, NH BCWLE/GC	KS Riley 16 L 1 Apr	BCWRL-80-0104-2 KSSU Horber, E K	SAME
	Italy BCWLE/GC, NH BCWLE/GC	MD Frederick 962 E 1 Apr	BCWRL-81-0017 BIIL ARSNPS Batra, S W T Drea, J J	SAME
	Italy BCWLE/GC, NH BCWLE/GC	MD Frederick 748 E 1 Apr	BCWRL-81-0023 BIIL Batra, S W T	SAME
	Italy BCWLE/GC, NH BCWLE/GC	MD Prince Georges 240 E 1 Jan	BCWRL-81-0001 BIIL Batra, S W T	SAME
	Italy BCWLE/GC, NH BCWLE/GC	MD Prince Georges 202 E 1 Feb	BCWRL-81-0007 BIIL Batra, S W T	SAME
	Italy BCWLE/GC, NH BCWLE/GC	MD Prince Georges 288 E 1 Feb	BCWRL-81-0010 BIIL Batra, S W T	SAME
	Italy BCWLE/GC, NH BCWLE/GC	MO Howard 822 E 1 Mar	BCWRL-81-0016 BCIRL Puttler, B McCoy, M	SAME

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Trichosirocalus horridus (Panzer) Coleoptera Curculionidae	Italy BCWLE/GC, NH BCWLE/GC	MT Ravalli 77 L 1 Apr	BCWRL-81-0006 MTSUC Story, J M	Carduus nutans macrocephalus (Desf.) Nyman musk/nodding thistle
	Italy BCWLE/GC, NH BCWLE/GC	MT Ravalli 20 L 1 Apr	BCWRL-80-0102 MTSUC Story, J M	SAME
	Italy BCWLE/GC, NH BCWLE/GC	MT Ravalli 54 L 1 Apr	BCWRL-80-0108 MTSUC Story, J M	SAME
	Italy BCWLE/GC, NH BCWLE/GC	ND Pembina 95e L 1 May NOTE: 034	BCWRL-81-0002 NDSU Frye, R D	Carduus nutans leiophyllus (Petr.) Stoj. & Stef. musk/nodding thistle
	Italy BCWLE/GC, NH BCWLE/GC	NE Saunders 50e L 1 May NOTE: 034	BCWRL-81-0005 FRRU Phillips, L Ebke, D	SAME
	Italy BCWLE/GC, NH BCWLE/GC	NE Saunders 100e L 1 May NOTE: 034	BCWRL-81-0009 FRRU Phillips, L Ebke, D	SAME
	Italy BCWLE/GC, NH BCWLE/GC	NE Saunders 150e L 1 May NOTE: 034	BCWRL-81-0012 FRRU Phillips, L Ebke, D	SAME
	Italy BCWLE/GC, NH BCWLE/GC	NE Saunders 185 L 1 May NOTE: 034	BCWRL-81-0014 FRRU Phillips, K Ebke, D	SAME

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Trichosirocalus horridus (Panzer) Coleoptera Curculionidae	Italy BCWLE/GC, NH BCWLE/GC	NE Saunders 539e L 1 May NOTE: 034	BCWRL-81-0018 FRRU Phillips, L Ebke, D	Carduus nutans leiophyllus (Petr.) Stoj. & Stef. musk/nodding thistle
	Italy BCWLE/GC, NH BCWLE/GC	NE Saunders 65e L 1 May NOTE: 034	BCWRL-80-0106 FRRU Phillips, L Ebke, D	SAME
	Italy BCWLE/GC, NH BCWLE/GC	NE Saunders 50e L,P 1 May NOTE: 034	BCWRL-80-0111 FRRU Phillips, L Ebke, D	SAME
	Italy BCWLE/GC, NH BCWLE/GC	PA Franklin 1510 E 1 Apr	BCWRL-81-0013 BIIL Batra, S W T	SAME
				Carduus acanthoides Linnaeus plumeless thistle
	Italy BCWLE/GC, NH BCWLE/GC	SD Bon Homme 250e L 1 May NOTE: 034	BCWRL-81-0019-2 SDSU Kantack, B H	Carduus nutans leiophyllus (Petr.) Stoj. & Stef. musk/nodding thistle
	Italy BCWLE/GC, NH BCWLE/GC	SD Gregory 250e L 1 May NOTE: 034	BCWRL-81-0019-1 SDSU Kantack, B H	SAME
	VA, Radford VPI/TM	VA Albemarle 125e A 1 Jun	VPI-LTK-81-0012-2 VPI McAvoy, T Mays, W	Carduus acanthoides Linnaeus plumeless thistle

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Trichosirocalus horridus (Panzer) Coleoptera Curculionidae	VA, Radford VPI/TM	VA Albemarle 375e A Jun	3	VPI-LTK-81-0013 VPI McAvoy, T Mays, W	Carduus acanthoides Linnaeus plumeless thistle
	VA, Radford VPI/TM	VA Augusta 250e A Jun	2	VPI-LTK-81-0018-1 VPI McAvoy, T Mays, W	Carduus nutans leiophyllus (Petr.) Stoj. & Stef. musk/nodding thistle
	VA, Radford VPI/TM	VA Clarke 125e A Jun	1	VPI-LTK-81-0011-1 VPI McAvoy, T Mays, W	SAME
	VA, Radford VPI/TM	VA Culpeper 250e A Jun	2	VPI-LTK-81-0011-2 VPI McAvoy, T Mays, W	SAME
	VA, Radford VPI/TM	VA Fauquier 125e A Jun	1	VPI-LTK-81-0010-2 VPI McAvoy, T Mays, W	SAME
	VA, Radford VPI/TM	VA Fauquier 250e A Jun	2	VPI-LTK-81-0014-1 VPI McAvoy, T Mays, W	SAME
	VA, Radford VPI/TM	VA Fauquier 250e A Jun	2	VPI-LTK-81-0015-2 VPI McAvoy, T Mays, W	SAME

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Trichosirocalus horridus (Panzer) Coleoptera Curculionidae	VA, Radford VPI/TM	VA Fauquier 125e A 1 Jun	VPI-LTK-81-0016-3 VPI McAvoy, T Mays, W	Carduus nutans leiophyllus (Petr.) Stoj. & Stef. musk/nodding thistle
	VA, Radford VPI/TM	VA Frederick 125e A 1 Jun	VPI-LTK-81-0017-1 VPI McAvoy, T Mays, W	SAME
	VA, Radford VPI/TM	VA Greene 125e A 1 Jun	VPI-LTK-81-0016-2 VPI McAvoy, T Mays, W	SAME
	VA, Radford VPI/TM	VA Loudoun 250e A 2 Jun	VPI-LTK-81-0010-1 VPI McAvoy, T Mays, W	SAME
	VA, Radford VPI/TM	VA Louisa 250e A 2 Jun	VPI-LTK-81-0012-1 VPI McAvoy, T Mays, W	SAME
	VA, Radford VPI/TM	VA Madison 125e A 1 Jun	VPI-LTK-81-0016-1 VPI McAvoy, T Mays, W	Carduus acanthoides Linnaeus plumeless thistle
	VA, Radford VPI/TM	VA Orange 125e A 1 Jun	VPI-LTK-81-0014-2 VPI McAvoy, T Mays, W	Carduus nutans leiophyllus (Petr.) Stoj. & Stef. musk/nodding thistle

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Trichosirocalus horridus (Panzer) Coleoptera Curculionidae	VA, Radford VPI/TM	VA Orange 125e A 1 Jun	VPI-LTK-81-0015-1 VPI McAvoy, T Mays, W	Carduus nutans leiophyllus (Petr.) Stoj. & Stef. musk/nodding thistle
	VA, Radford VPI/TM	VA Rockbridge 125e A 1 Jun	VPI-LTK-81-0018-2 VPI McAvoy, T Mays, W	SAME Carduus acanthoides Linnaeus plumeless thistle
	VA, Radford VPI/TM	VA Shenandoah 250e A 2 Jun	VPI-LTK-81-0017-2 VPI McAvoy, T Mays, W	Carduus nutans leiophyllus (Petr.) Stoj. & Stef. musk/nodding thistle
	VA, Radford VPI/LTK WVDA/TLM	WV Berkeley 100 A 1 Jun	VPI-LTK-81-0020-2 WVDA Mason, T L	SAME Carduus acanthoides Linnaeus plumeless thistle
	VA, Radford VPI/LTK WVDA/TLM	WV Monroe 86 A 1 Jun	VPI-LTK-81-0020-1 WVDA Mason, T L Bostic, E	Carduus nutans leiophyllus (Petr.) Stoj. & Stef. musk/nodding thistle Carduus acanthoides Linnaeus plumeless thistle

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Trichosirocalus horridus (Panzer) Coleoptera Curculionidae	Italy BCWLE/GC, NH BCWLE/GC	WY Crook 350e E,L May	1	BCWRL-81-0022-1 UWY CCWPCD Lavigne, R J Bornkessell, J	Carduus nutans Linnaeus musk thistle
	Italy BCWLE/GC, NH BCWLE/GC	WY Johnson 465e E,L Jun	1	BCWRL-81-0022-2 UWY JCWPCD Lavigne, R J Beydler, J	SAME
Urophora affinis (Frauenfeld) Diptera Tephritidae	Canada CAMABC/RSC	CA Trinity 1185 A Jul	1	BCWRL-81-0040 CABCSP Joley, D B Brunetti, K	Centaurea diffusa Lam. diffuse knapweed
	Canada CAMABC/RSC	ID Blaine 1200e A Jun	3	BCWRL-81-0033 UID Merickel, F W	SAME
	Canada CAMABC/RSC CAMABC MTSUC/JMS	ID Blaine 1028e A Jul	1	BCWRL-81-0056 UID Barr, W F Johnson, J B	SAME
	MT, Missoula MT, Sanders	MT ? e L May NOTE: 102, 103	?	MTSUC-JMS-81-0002	Centaurea maculosa Lam. spotted knapweed Centaurea diffusa Lam. diffuse knapweed
	Canada CAMABC/RSC	MT Mineral 737 A Jul	2	BCWRL-81-0036 MTSUC Story, J M	SAME

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Urophora affinis (Frauenfeld) Diptera Tephritidae	Canada CAMABC/RSC CAMABC MTSUC/JMS	MT Mineral 1411 A Jul	2	BCWRL-81-0048 MTSUC Story, J M	Centaurea diffusa Lam. diffuse knapweed
	Canada CAMABC/RSC CAMABC MTSUC/JMS	MT Mineral 936 A Jul	2	BCWRL-81-0054 MTSUC Story, J M	SAME
	Canada CAMABC/RSC CAMABC MTSUC/JMS	MT Mineral 268 A Jul	1	BCWRL-81-0060 MTSUC Story, J M	SAME
	Canada CAMABC/RSC	OR Sherman 600e A Jul	2	BCWRL-81-0039-1 ORDA Brown, J	SAME
	Canada CAMABC/RSC CAMABC MTSUC/JMS	OR Sherman 510e A Jul	2	BCWRL-81-0058-2 ORDA Brown, J	SAME
	Canada CAMABC/RSC	OR Wasco 1195 A Jun	1	BCWRL-81-0034 ORDA Brown, J	SAME
	Canada CAMABC/RSC	OR Wasco 595e A Jul	2	BCWRL-81-0039-2 ORDA Brown, J	SAME
	Canada CAMABC/RSC CAMABC MTSUC/JMS	OR Wasco 600e A Jul	3	BCWRL-81-0058-1 ORDA Brown, J	SAME

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Urophora affinis (Frauenfeld) Diptera Tephritidae	Canada CAMABC/RSC	WA Ferry 1181 A 1 Jun	BCWRL-81-0035 WASU King, R	Centaurea diffusa Lam. diffuse knapweed
	Canada CAMABC/RSC	WA Klickitat 1900e A 1 Jul	BCWRL-81-0044 WASU Gorman, R	SAME
	Canada CAMABC/RSC CAMABC MTSUC/JMS	WA Klickitat 1361 A 1 Jul	BCWRL-81-0052 WASU Gorman, R	SAME
Urophora cardui (Linnaeus) Diptera Tephritidae	France BCWLE/NH	CA Shasta 98 A 1 May	BCWRL-81-0028-1 CABCSP Joley, D B	Cirsium arvense (L.) Scop. Canada thistle
	France BCWLE/NH	CA Siskiyou 98 A 1 May	BCWRL-81-0028-2 CABCSP Joley, D B	SAME
	France BCWLE/NH	CA Siskiyou 188 A 1 Jun	BCWRL-81-0031 CABCSP Joley, D B	SAME
	France BCWLE/NH	CA Trinity 60 A 1 Jul	BCWRL-81-0042 CABCSP Joley, D B Brunetti, K	SAME
	France BCWLE/NH	ID Nez Perce 58 A 1 Jun	BCWRL-81-0032 UID Johnson, J B Gillespie, R L	SAME

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Urophora cardui (Linnaeus) Diptera Tephritidae	France BCWLE/NH	MD Baltimore 158 A 1 Jun	BCWRL-81-0030-2 BIIL Norden, B M	Cirsium arvense (L.) Scop. Canada thistle
	France BCWLE/NH	MD Prince Georges 30 A 1 Jun	BCWRL-81-0030-1 BIIL Norden, B M	SAME
	France BCWLE/NH	MT Ravalli 84 A 1 Jun	BCWRL-81-0038 MTSUC Story, J M	SAME
	France BCWLE/NH	OR Marion 98 A 1 May	BCWRL-81-0026 ORDA Hawkes, R B	SAME
	France BCWLE/NH	OR Marion 98 A 2 May	BCWRL-81-0027 ORDA Hawkes, R B	SAME
Urophora quadrifasciata (Meigen) Diptera Tephritidae	MT, Missoula MT, Sanders	MT ? e L ? May NOTE: 104	MTSUC-JMS-81-0003	Centaurea maculosa Lam. spotted knapweed Centaurea diffusa Lam. diffuse knapweed
Zeuxidiplosis giardi (Kieffer) Diptera Cecidomyiidae	USA, CA BCWRL	OR Marion ? e L,P 1 Jun NOTE: 034	ORDA-RBH-81-0001 ORDA Hawkes, R B	Hypericum perforatum Linnaeus common St. Johnswort

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PART A - Arranged Alphabetically by Genus-species of Released Organism, State, County

Species Released Genus Species, Subspecies Author Order, Family	Origin Country,State/Prov,Co Facilities Collector Acronym/ Initials	Released - State, County Total, Stage No. of Sites Month /SEE NOTES	File Number Releaser Acronym, Name * = Specimens Kept	Target Host (at time of release) Genus Species, Subspecies Author, Common Name
Zeuxidiplosis giardi (Kieffer) Diptera Cecidomyiidae	CA, Placer BCWRL/LAA	WA Whitman ? L,P 1 Apr NOTE: 034	BCWRL-LAA-81-0024 WASU Piper, G L	Hypericum perforatum Linnaeus common St. Johnswort

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SECTION II - INTRODUCED WEED CONTROL AGENTS RELEASED IN U.S. AND TERRITORIES - 1981

PART A - Arranged Alphabetically by Genus-species of Released Organism, State, County

NOTES

034 Released as infested plants.

076 Released material also possibly included some *Eriophyes chondrillae* (Canestrini).

099 Commercial shipment. Field release assumed.

100 Shipped/released as infested seed heads.

102 In May 1981, "field days" were held in Missoula and Sanders Counties, Montana, where *Urophora affinis* was well established on *Centaurea maculosa*. Many persons collected *C. maculosa* seedheads infested with *U. affinis* larvae for distribution elsewhere in Montana, release sites not recorded.

103 The infested seedheads probably also included a small number of *Urophora quadrifasciata* larvae.

104 The releases of infested *Centaurea maculosa* seedheads containing *Urophora affinis* larvae (which see) probably also included a small undetermined number of *U. quadrifasciata* larvae.

108 Live specimens from shipment FBCL-GRB-81-1, transshipped via CEVMS, Vicksburg, MS.

114 Other collectors of this material included R. Shepard & O. E. Carmichael (MODA), B. Puttler & S. H. Long (BCIRL), and M. L. Fairchild & M. Roof (UMO). Releases recorded as UMO-MLF-81-5 through -25 were made by various participating farmers, Agricultural Extension Agents, and University of Missouri Integrated Pest Management personnel.

SECTION II - INTRODUCED WEED CONTROL AGENTS RELEASED IN U.S. AND TERRITORIES - 1981

PART B - Target Host Arranged Alphabetically by Class, Order, Family, Genus, Species with Alphabetical List of Introduced Beneficial Species Released Against It; Target Host Arranged Alphabetically by Common Name

Class: Liliopsida

Order of Host: Liliales
Family of Host: Pontederiaceae
Host Genus, species, author: Eichornia crassipes (C. Martius) Solms-Laub.
Common name of host: waterhyacinth
Species Released: Neochetina bruchi — Neochetina eichhorniae
Sameodes albiguttalis

Class: Magnoliopsida

Order of Host: Asterales
Family of Host: Asteraceae
Host Genus, species, author: Carduus acanthoides Linnaeus
Common name of host: plumeless thistle
Species Released: Rhinocyllus conicus — Trichosirocalus horridus

Host Genus, species, author: Carduus nutans Linnaeus
Common name of host: musk thistle
Species Released: Rhinocyllus conicus — Trichosirocalus horridus

Host Genus, species, author: Carduus nutans leiophyllus (Petr.) Stoj. & Stef.
Common name of host: musk/nodding thistle
Species Released: Rhinocyllus conicus — Trichosirocalus horridus

Host Genus, species, author: Carduus nutans macrocephalus (Desf.) Nyman
Common name of host: musk/nodding thistle
Species Released: Rhinocyllus conicus — Trichosirocalus horridus

Host Genus, species, author: Carduus pycnocephalus Linnaeus
Common name of host: Italian thistle
Species Released: Rhinocyllus conicus

Host Genus, species, author: Centaurea diffusa Lam.
Common name of host: diffuse knapweed
Species Released: Metzneria paucipunctella — Urophora affinis
Urophora quadrifasciata

Host Genus, species, author: Centaurea maculosa Lam.
Common name of host: spotted knapweed
Species Released: Metzneria paucipunctella — Urophora affinis
Urophora quadrifasciata

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PART B - Target Host Arranged Alphabetically by Class, Order, Family, Genus, Species with Alphabetical List of Introduced Beneficial Species Released Against It; Target Host Arranged Alphabetically by Common Name

Host Genus, species, author: Chondrilla juncea Linnaeus
Common name of host: rush skeletonweed
Species Released: Cystiphora schmidti

Host Genus, species, author: Cirsium arvense (L.) Scop.
Common name of host: Canada thistle
Species Released: Ceutorhynchus litura — Rhinocyllus conicus
Urophora cardui

Host Genus, species, author: Cirsium sp.
Common name of host:
Species Released: Rhinocyllus conicus

Host Genus, species, author: Silybum marianum (L.) Gaertner
Common name of host: milk thistle
Species Released: Rhinocyllus conicus

Order of Host: Caryophyllales
Family of Host: Amaranthaceae
Host Genus, species, author: Alternanthera philoxeroides (C. Martius) Griseb.
Common name of host: alligatorweed
Species Released: Agasicles hygrophila — Amynothrips andersoni

Family of Host: Chenopodiaceae
Host Genus, species, author: Salsola australis R. Br.
Common name of host: Russian thistle
Species Released: Coleophora klimeschiella — Coleophora parthenica

Order of Host: Euphorbiales
Family of Host: Euphorbiaceae
Host Genus, species, author: Euphorbia esula Linnaeus
Common name of host: leafy spurge
Species Released: Oberea erythrocephala

Host Genus, species, author: Euphorbia sp.
Common name of host:
Species Released: Oberea erythrocephala

Order of Host: Sapindales
Family of Host: Zygophyllaceae
Host Genus, species, author: Tribulus terrestris Linnaeus
Common name of host: puncturevine
Species Released: Microlarinus lareynii — Microlarinus lypriformis

SECTION II - INTRODUCED WEED CONTROL AGENTS RELEASED IN U.S. AND TERRITORIES - 1981

PART B - Target Host Arranged Alphabetically by Class, Order, Family, Genus, Species with Alphabetical List of Introduced Beneficial Species Released Against It; Target Host Arranged Alphabetically by Common Name

Order of Host: Theales
Family of Host: Clusiaceae
Host Genus, species, author: Hypericum perforatum Linnaeus
Common name of host: common St. Johnswort
Species Released: Chrysolina quadrigemina Zeuxidiplosis giardi

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PART B - Target Host Arranged Alphabetically by Class, Order, Family, Genus, Species with Alphabetical List of Introduced Beneficial Species Released Against It; Target Host Arranged Alphabetically by Common Name

Common Name	Genus-species	Order:Family
	Cirsium sp.	Asterales:Asteraceae
	Euphorbia sp.	Euphorbiales:Euphorbiaceae
alligatorweed	Alternanthera philoxeroides	Caryophyllales:Amaranthaceae
Canada thistle	Cirsium arvense	Asterales:Asteraceae
common St. Johnswort	Hypericum perforatum	Theales:Clusiaceae
diffuse knapweed	Centaurea diffusa	Asterales:Asteraceae
Italian thistle	Carduus pycnocephalus	Asterales:Asteraceae
leafy spurge	Euphorbia esula	Euphorbiales:Euphorbiaceae
milk thistle	Silybum marianum	Asterales:Asteraceae
musk thistle	Carduus nutans	Asterales:Asteraceae
musk/nodding thistle	Carduus nutans macrocephalus	Asterales:Asteraceae
plumeless thistle	Carduus acanthoides	Asterales:Asteraceae
puncturevine	Tribulus terrestris	Sapindales:Zygophyllaceae
rush skeletonweed	Chondrilla juncea	Asterales:Asteraceae
Russian thistle	Salsola australis	Caryophyllales:Chenopodiaceae
spotted knapweed	Centaurea maculosa	Asterales:Asteraceae
waterhyacinth	Eichornia crassipes	Liliales:Pontederiaceae

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SECTION III - INTRODUCED MICROBIAL ORGANISMS RELEASED IN U.S. AND TERRITORIES - 1981

Arranged Alphabetically by Genus-species of Released Organism, State, County

Species Released Genus Species, Subspecies Author Order, Family	Origin Country,State/Prov,Co Facilities Collector Acronym/ Initials	Released - State, County No. of Sites Month /SEE NOTES	File Number Releaser Acronym, Name * = Specimens Kept	Target Host (at time of release) Genus Species, Subspecies Author, Common Name

No known field releases of introduced microbial organisms in 1981.

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SECTION IV - INTRODUCED POLLINATORS AND OTHER BENEFICIAL SPECIES RELEASED IN U.S. AND TERRITORIES - 1981
Arranged Alphabetically by Genus-species of Released Organism, State, County

Species Released Genus Species, Subspecies Author Order, Family	Origin Country,State/Prov,Co Facilities Collector Acronym/ Initials	Released - State, County Total, Stage No. of Sites Month /SEE NOTES	File Number Releaser Acronym, Name * = Specimens Kept	Target (at time of release)
Euoniticellus intermedius (Reiche) Coleoptera Scarabaeidae	USA, CA UCDEXT	TX Gillespie 500 A 1 Oct	VTERL-RRB-81-0003 VTERL Blume, R R	cattle dung & horn fly
Onitis alexis Klug Coleoptera Scarabaeidae	USA, CA UCDEXT	TX Burleson 150 A 1 Aug	VTERL-GTF-81-0002 VTERL Fincher, G T	SAME
Onthophagus bonasus (Fabricius) Coleoptera Scarabaeidae	Pakistan VTERL	TX Gillespie 1086 A 3 Aug	VTERL-RRB-81-0001 VTERL Blume, R R	SAME
Osmia cornifrons (Radoszkowski) Hymenoptera Megachilidae	MD, Prince Georges BIIL/SWTB	DC Washington 150e A IN C 1 Mar	BIIL-SWTB-81-0005 DCGU Barrows, E	apple
	MD, Prince Georges BIIL/SWTB	MD Prince Georges 150e A 1 Mar	BIIL-SWTB-81-0004 MDHWK Kerr, H W	SAME
	Japan, Honshu JATNAES/YM	MD Prince Georges 2504 A,P 1 Apr	BIRL-81-0012 BIIL Batra, S W T	SAME
	MD, Prince Georges BIRL BIIL/SWTB	NC Wake 587 A IN C 1 Feb	BIIL-SWTB-81-0002 NCSU Kuhn, E D	SAME
Osmia lignaria propinqua Cresson Hymenoptera Megachilidae	UT, Cache BBSL/PFT	NC Wilkes 1204 A 1 Apr	BBSL-PFT-81-0001 NCSU Kuhn, E D	SAME

SECTION IV - INTRODUCED POLLINATORS AND OTHER BENEFICIAL SPECIES RELEASED IN U.S. AND TERRITORIES - 1981
Arranged Alphabetically by Genus-species of Released Organism, State, County

Species Released Genus Species, Subspecies Author Order, Family	Origin Country,State/Prov,Co Facilities Collector Acronym/ Initials	Released - State, County Total, Stage No. of Sites Month /SEE NOTES	File Number Releaser Acronym, Name * = Specimens Kept	Target (at time of release)
Pithitis smaragdula (Fabricius) Hymenoptera Anthophoridae	India ML COMBI/VP	MD Prince Georges 765e A,L 1 Sep NOTE: 122	BIRL-81-0157 BIIL Batra, S W T	tomato

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SECTION IV - INTRODUCED POLLINATORS AND OTHER BENEFICIAL SPECIES RELEASED IN U.S. AND TERRITORIES - 1981

Arranged Alphabetically by Genus-species of Released Organism, State, County

NOTES

122 Caged release in greenhouse. Material may have also included some *Pithitis binghami* (Cockerell).

SECTION V - SPECIES OF INTRODUCED BENEFICIAL ORGANISMS (EXCLUDING PLANTS) RELEASED IN U.S. AND TERRITORIES - 1981
Arranged Alphabetically by Class, Order, Family, Genus, Species, with Type of Organism

PHYLUM: MOLLUSCA

Class: Gastropoda
Order: Pulmonata
Family: Subulinidae
Rumina decollata Linnaeus PR

PHYLUM: NEMATODA

Class: Adenophorea
Order: Enoplida
Family: Mermithidae
Hexamermis sp. PA

Class: Secernentia
Order: Rhabditida
Family: Steinernematidae
Steinernema feltiae Filipjev PA

PHYLUM: ARTHROPODA

Class: Arachnida (Subclass: Acari)
Order: Acariformes
Family: Podapolipidae
Coccipolipus epilachnae Smiley PA

Order: Parasitiformes
Family: Phytoseiidae
Amblyseius colimensis Aponte PR
Euseius addoensis rubicolus (van der Merwe & Ryke) PR
Euseius citrifolius (Denmark & Muma) PR
Euseius hibisci (Chant) PR
Euseius stipulatus (Athias-Henriot) PR
Iphiseius degenerans (Berlese) PR
Phytoseiulus macropilis (Banks) PR
Phytoseius hawaiiensis Prasad PR
Typhlodromus occidentalis Nesbitt PR
Amblyseius herbicolus Chant PR
Euseius citri (van der Merwe & Ryke) PR
Euseius elinae (Schicha) PR
Euseius quetzali McMurtry PR
Euseius tutsi (Pritchard & Baker) PR
Neoseiulus californicus (McGregor) PR
Phytoseiulus persimilis Athias-Henriot PR
Typhlodromus annectens DeLeon PR
Typhlodromus porresi McMurtry PR

Class: Insecta
Order: Coleoptera
Family: Anthribidae
Anthribus nebulosus Förster PR

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SECTION V - SPECIES OF INTRODUCED BENEFICIAL ORGANISMS (EXCLUDING PLANTS) RELEASED IN U.S. AND TERRITORIES - 1981
Arranged Alphabetically by Class, Order, Family, Genus, Species, with Type of Organism

Family: Carabidae
Calosoma sycophanta (Linnaeus) PR

Family: Cerambycidae
Oberea erythrocephala (Schrank) WE

Family: Chrysomelidae
Agasicles hygrophila Selman & Vogt WE
Chrysolina quadrigemina (Suffrian) WE

Family: Coccinellidae
Calvia quatuordecimguttata (Linnaeus) PR
Delphastus pusillus (LeConte) PR
Harmonia axyridis Pallas PR
Hyperaspis senegalensis hottentotta Mulsant PR
Nephaspis bicolor Gordon PR
Oenopia conglobata (Linnaeus) PR
Stethorus picipes Casey PR
Coccinella septempunctata Linnaeus PR
Exochomus flavipes (Thunberg) PR
Harmonia conformis (Boisduval) PR
Menochilus quadriplagiatus (Swartz) PR
Nephaspis oculata (Blatchley) PR
Propylea quatuordecimpunctata (Linnaeus) PR

Family: Curculionidae
Ceutorhynchus litura (Fabricius) WE
Microlarinus lypriformis (Wollaston) WE
Neochetina eichhorniae Warner WE
Trichosirocalus horridus (Panzer) WE
Microlarinus lareynii (Jacquelin du Val) WE
Neochetina bruchi Hustache WE
Rhinocyllus conicus (Froelich) WE

Family: Histeridae
Atholus maindronii (Lewis) PR
Pactolinus parallelus (Redtenbacher) PR

Family: Scarabaeidae
Euoniticellus intermedius (Reiche) OT
Onthophagus bonasus (Fabricius) OT
Onitis alexis Klug OT

Family: Staphylinidae
Philothalpus analis (Erichson) PR

Order: Diptera
Family: Cecidomyiidae
Cystiphora schmidti (Rübsaamen) WE
Zeuxidiplosis giardi (Kieffer) WE

SECTION V - SPECIES OF INTRODUCED BENEFICIAL ORGANISMS (EXCLUDING PLANTS) RELEASED IN U.S. AND TERRITORIES - 1981
Arranged Alphabetically by Class, Order, Family, Genus, Species, with Type of Organism

Family: Tachinidae
- Ametadoria misella (Wulp) PA
- Cyzenis albicans (Fallén) PA
- Compsilura concinnata (Meigen) PA
- Voria ruralis (Fallén) PA

Family: Tephritidae
- Urophora affinis (Frauenfeld) WE
- Urophora quadrifasciata (Meigen) WE
- Urophora cardui (Linnaeus) WE

Order: Heteroptera
Family: Pentatomidae
- Dinorhynchus dybowskyi Jakovlev PR
- Oplomus severus Breddin PR
- Eocanthecona furcellata (Wolff) PR

Order: Hymenoptera
Family: Anthophoridae
- Pithitis smaragdula (Fabricius) PO

Family: Aphelinidae
- Aleurodiphilus pergandiellus (Howard) PA
- Aphytis sp. PA
- Cales noacki Howard PA
- Encarsia ?haitiensis Dozier PA
- Encarsia opulenta (Silvestri) PA
- Eretmocerus ?californicus Howard PA
- Prococcophagus probus Annecke PA
- Aphytis melinus DeBach PA
- Aspidiotiphagus sp. PA
- Coccophagus rusti Compere PA
- Encarsia formosa Gahan PA
- Encarsia sp. PA
- Eretmocerus sp. PA
- Prococcophagus saissetia Annecke & Mynhardt PA

Family: Aphidiidae
- Aphidius ervi Haliday PA
- Ephedrus plagiator (Nees) PA
- Aphidius matricariae Haliday PA
- Praon flavinode (Haliday) PA

Family: Bethylidae
- Goniozus legneri Gordh PA

Family: Braconidae
- Apanteles scutellaris Muesebeck PA
- Biosteres tryoni (Cameron) PA
- Cotesia melanoscelus (Ratzeburg) PA
- Cotesia ruficrus (Haliday) PA
- Dendrosoter protuberans (Nees) PA
- Biosteres sublaevis Wharton PA
- Chelonus mccombi Marsh PA
- Cotesia plutellae (Kurdjumov) PA
- Dacnusa dryas (Nixon) PA
- Glyptapanteles flavicoxis (Marsh) PA

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SECTION V - SPECIES OF INTRODUCED BENEFICIAL ORGANISMS (EXCLUDING PLANTS) RELEASED IN U.S. AND TERRITORIES - 1981
Arranged Alphabetically by Class, Order, Family, Genus, Species, with Type of Organism

Family: Braconidae (continued)
- Glyptapanteles harrisinae (Muesebeck) PA
- Meteorus pulchricornis (Wesmael) PA
- Microctonus colesi Drea PA
- Opius dissitus Muesebeck PA
- Peristenus rubricollis (Thomson) PA
- Phanerotoma sp. PA
- Iphiaulax sp. PA
- Microctonus aethiopoides Loan PA
- Microplitis demolitor (Wilkinson) PA
- Peristenus digoneutis Loan PA
- Peristenus stygicus Loan PA
- Rogas lymantriae Watanabe PA

Family: Chalcididae
- Brachymeria intermedia (Nees) PA
- Brachymeria lasus (Walker) PA

Family: Diapriidae
- Coptera evansi Muesebeck PA
- Coptera occidentalis Muesebeck PA

Family: Encyrtidae
- Cerchysiella utilis (Noyes) PA
- Comperiella sp. PA
- Habrolepis sp. PA
- Metaphycus stramineus (Compere) PA
- Ooencyrtus malayensis Ferriere PA
- Comperia merceti (Compere) PA
- Encyrtus saliens Prinsloo & Annecke PA
- Metaphycus funicularis Annecke PA
- Ooencyrtus kuvanae (Howard) PA
- Pentalitomastix plethoricus Caltagirone PA

Family: Eucoilidae
- Aganaspis daci (Weld) PA

Family: Eulophidae
- Chrysocharis laricinellae (Ratzeburg) PA
- Chrysocharis nitetis (Walker) PA
- Chrysocharis sp. PA
- Chrysonotomyia formosa (Westwood) PA
- Chrysonotomyia sp. "green" PA
- Euplectrus puttleri Gordh PA
- Pediobius foveolatus (Crawford) PA
- Tetrastichus incertus (Ratzeburg) PA
- Chrysocharis liriomyzae Delucchi PA
- Chrysocharis parksi Crawford PA
- Chrysocharis sp. nr. giraulti Yoshimoto PA
- Chrysonotomyia ruforum (Krausse) PA
- Edovum puttleri Grissell PA
- Pediobius facialis (Giraud) PA
- Tetrastichus gallerucae (Fonscolombe) PA
- Tetrastichus julis (Walker) PA

Family: Eupelmidae
- Anastatus disparis Ruschka PA

SECTION V - SPECIES OF INTRODUCED BENEFICIAL ORGANISMS (EXCLUDING PLANTS) RELEASED IN U.S. AND TERRITORIES - 1981
Arranged Alphabetically by Class, Order, Family, Genus, Species, with Type of Organism

Family: Ichneumonidae
- Agrypon flaveolatum (Gravenhorst) PA
- Bathyplectes curculionis (Thomson) PA
- Campoplex n. sp. PA
- Diadegma laricinellum (Strobl) PA
- Diaparsis temporalis Horstmann PA
- Lathrolestes minutus (Bridgman) PA
- Lophyroplectus oblongopunctatus (Hartig) PA
- Scambus aplopappi (Ashmead) PA
- Bathyplectes anurus (Thomson) PA
- Campoplex frustranae Cushman PA
- Coccygomimus disparis (Viereck) PA
- Diadegma sp. PA
- Grypocentrus albipes Ruthe PA
- Lemophagus curtus Townes PA
- Olesicampe benefactor Hinz PA

Family: Megachilidae
- Osmia cornifrons (Radoszkowski) PO
- Osmia lignaria propinqua Cresson PO

Family: Mymaridae
- Anaphes flavipes (Förster) PA

Family: Platygastridae
- Amitus ?spiniferus (Brèthes) PA
- Amitus hesperidum Silvestri PA

Family: Pteromalidae
- Spalangia endius Walker PA

Family: Scelionidae
- Telenomus chloropus (Thomson) PA

Family: Sphecidae
- Larra bicolor (Fabricius) PA

Family: Tetracampidae
- Dipriocampe diprioni (Ferrière) PA

Family: Torymidae
- Monodontomerus dentipes (Dalman) PA

Family: Trichogrammatidae
- Trichogramma platneri Nagarkatti PA
- Trichogramma pretiosum Riley PA

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Arranged Alphabetically by Class, Order, Family, Genus, Species, with Type of Organism

Order: Lepidoptera
Family: Coleophoridae
Coleophora klimeschiella Toll WE
Coleophora parthenica Meyrick WE

Family: Gelechiidae
Metzneria paucipunctella Zeller WE

Family: Pyralidae
Sameodes albiguttalis (Warren) WE

Order: Thysanoptera
Family: Phlaeothripidae
Amynothrips andersoni O'Neill WE

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SECTION VI - RELEASES OF INTRODUCED BENEFICIAL ORGANISMS BY STATE/TERRITORY AND COUNTY - 1981
Each County Followed by List of Released Organisms Alphabetized by Genus-species, with Type of Organism

State: AL
County: Baldwin
Genus-species: Agasicles hygrophila WE

State: AL
County: Jackson
Genus-species: Agasicles hygrophila WE

State: AL
County: Marshall
Genus-species: Agasicles hygrophila WE

State: AL
County: Mobile
Genus-species: Agasicles hygrophila WE

State: AR
County: Ashley
Genus-species: Trichogramma pretiosum PA

State: AR
County: Washington
Genus-species: Tetrastichus incertus PA

State: AS
County: Tutuila I
Genus-species: Encarsia ?haitiensis PA
Nephaspis oculata PR

State: AZ
County: Maricopa
Genus-species: Coccinella septempunctata PR

State: AZ
County: Pima
Genus-species: Peristenus stygicus PA

State: AZ
County: Yuma
Genus-species: Chelonus mccombi PA
Goniozus legneri PA
Diadegma sp. PA

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Each County Followed by List of Released Organisms Alphabetized by Genus-species, with Type of Organism

State: CA
County: Alameda
Genus-species: Bathyplectes anurus PA
Coptera occidentalis PA
Exochomus flavipes PR
Metaphycus funicularis PA
Comperia merceti PA
Encyrtus saliens PA
Hyperaspis senegalensis hottentotta PR
Praon flavinode PA

State: CA
County: Butte
Genus-species: Chelonus mccombi PA
Euseius elinae PR
Goniozus legneri PA
Typhlodromus annectens PR
Diadegma sp. PA
Euseius stipulatus PR
Phytoseiulus persimilis PR

State: CA
County: Colusa
Genus-species: Aphidius ervi PA
Bathyplectes anurus PA

State: CA
County: Contra Costa
Genus-species: Coccophagus rusti PA
Prococcophagus probus PA
Encyrtus saliens PA
Prococcophagus saissetia PA

State: CA
County: Fresno
Genus-species: Ametadoria misella PA
Bathyplectes anurus PA
Coccophagus rusti PA
Glyptapanteles harrisinae PA
Microctonus aethiopoides PA
Prococcophagus saissetia PA
Aphidius ervi PA
Chelonus mccombi PA
Diadegma sp. PA
Goniozus legneri PA
Prococcophagus probus PA

State: CA
County: Imperial
Genus-species: Aphytis sp. PA
Chelonus mccombi PA
Diadegma sp. PA
Goniozus legneri PA
Aspidiotiphagus sp. PA
Comperiella sp. PA
Encarsia sp. PA
Habrolepis sp. PA

State: CA
County: Kern
Genus-species: Euseius elinae PR
Glyptapanteles harrisinae PA
Typhlodromus occidentalis PR
Euseius stipulatus PR
Neoseiulus californicus PR

SECTION VI - RELEASES OF INTRODUCED BENEFICIAL ORGANISMS BY STATE/TERRITORY AND COUNTY - 1981
Each County Followed by List of Released Organisms Alphabetized by Genus-species, with Type of Organism

State: CA
County: Kings
Genus-species: Ametadoria misella PA
Glyptapanteles harrisinae PA
Aphidius ervi PA

State: CA
County: Lassen
Genus-species: Bathyplectes anurus PA
Microctonus aethiopoides PA

State: CA
County: Los Angeles
Genus-species: Amblyseius colimensis PR
Euseius addoensis rubicolus PR
Euseius elinae PR
Euseius tutsi PR
Hyperaspis senegalensis hottentotta PR
Metaphycus funicularis PA
Phytoseius hawaiiensis PR
Eretmocerus sp. PA
Euseius citrifolius PR
Euseius stipulatus PR
Exochomus flavipes PR
Iphiseius degenerans PR
Metaphycus stramineus PA

State: CA
County: Madera
Genus-species: Ametadoria misella PA
Glyptapanteles harrisinae PA
Chrysolina quadrigemina WE

State: CA
County: Marin
Genus-species: Encyrtus saliens PA

State: CA
County: Mariposa
Genus-species: Chrysolina quadrigemina WE

State: CA
County: Merced
Genus-species: Chelonus mccombi PA
Goniozus legneri PA
Diadegma sp. PA

State: CA
County: Modoc
Genus-species: Aphidius ervi PA

State: CA
County: Monterey
Genus-species: Aphidius ervi PA
Hyperaspis senegalensis hottentotta PR
Metaphycus stramineus PA
Tetrastichus incertus PA
Exochomus flavipes PR
Metaphycus funicularis PA
Microctonus aethiopoides PA

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Each County Followed by List of Released Organisms Alphabetized by Genus-species, with Type of Organism

State: CA
County: Orange
Genus-species: Aphytis sp. PA
Campoplex frustranae PA
Eretmocerus sp. PA
Euseius hibisci PR
Euseius stipulatus PR
Exochomus flavipes PR
Hyperaspis senegalensis hottentotta PR
Metaphycus funicularis PA
Neoseiulus californicus PR
Rumina decollata PR
Typhlodromus annectens PR
Aspidiotiphagus sp. PA
Encarsia sp. PA
Euseius elinae PR
Euseius quetzali PR
Euseius tutsi PR
Habrolepis sp. PA
Iphiseius degenerans PR
Metaphycus stramineus PA
Phytoseiulus persimilis PR
Trichogramma platneri PA

State: CA
County: Riverside
Genus-species: Amblyseius herbicolus PR
Aphytis sp. PA
Atholus maindronii PR
Diadegma sp. PA
Eretmocerus sp. PA
Euseius hibisci PR
Habrolepis sp. PA
Phytoseiulus macropilis PR
Trichogramma platneri PA
Aphidius ervi PA
Aspidiotiphagus sp. PA
Chelonus mccombi PA
Encarsia sp. PA
Euseius addoensis rubicolus PR
Goniozus legneri PA
Pactolinus parallelus PR
Tetrastichus gallerucae PA

State: CA
County: Sacramento
Genus-species: Coleophora klimeschiella WE
Metaphycus stramineus PA
Hyperaspis senegalensis hottentotta PR
Tetrastichus gallerucae PA

State: CA
County: San Bernardino
Genus-species: Euseius stipulatus PR
Tetrastichus gallerucae PA

State: CA
County: San Diego
Genus-species: Amblyseius colimensis PR
Aphidius ervi PA
Campoplex frustranae PA
Euseius citri PR
Euseius elinae PR
Euseius quetzali PR
Euseius tutsi PR
Phytoseiulus macropilis PR
Trichogramma pretiosum PA
Typhlodromus occidentalis PR
Amitus ?spiniferus PA
Cales noacki PA
Eretmocerus sp. PA
Euseius citrifolius PR
Euseius hibisci PR
Euseius stipulatus PR
Iphiseius degenerans PR
Scambus aplopappi PA
Typhlodromus annectens PR
Typhlodromus porresi PR

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Each County Followed by List of Released Organisms Alphabetized by Genus-species, with Type of Organism

State: CA
County: San Joaquin
Genus-species: Aphidius ervi PA
Phanerotoma sp. PA
Pentalitomastix plethoricus PA
Tetrastichus gallerucae PA

State: CA
County: San Luis Obispo
Genus-species: Cystiphora schmidti WE
Hyperaspis senegalensis hottentotta PR
Metaphycus stramineus PA
Exochomus flavipes PR
Metaphycus funicularis PA

State: CA
County: San Mateo
Genus-species: Metaphycus funicularis PA
Metaphycus stramineus PA

State: CA
County: Santa Barbara
Genus-species: Exochomus flavipes PR
Metaphycus funicularis PA
Rhinocyllus conicus WE
Typhlodromus porresi PR
Hyperaspis senegalensis hottentotta PR
Metaphycus stramineus PA
Typhlodromus annectens PR

State: CA
County: Santa Clara
Genus-species: Exochomus flavipes PR
Metaphycus funicularis PA
Microlarinus lypriformis WE
Hyperaspis senegalensis hottentotta PR
Microlarinus lareynii WE

State: CA
County: Shasta
Genus-species: Coptera evansi PA
Urophora cardui WE

State: CA
County: Siskiyou
Genus-species: Aphidius ervi PA
Urophora cardui WE

State: CA
County: Solano
Genus-species: Biosteres sublaevis PA
Coccophagus rusti PA
Pentalitomastix plethoricus PA
Prococcophagus probus PA
Biosteres tryoni PA
Coptera evansi PA
Phanerotoma sp. PA
Prococcophagus saissetia PA

State: CA
County: Sonoma
Genus-species: Metaphycus funicularis PA
Metaphycus stramineus PA

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Each County Followed by List of Released Organisms Alphabetized by Genus-species, with Type of Organism

State: CA
County: Tehama
Genus-species: Coccophagus rusti PA
Prococcophagus saissetia PA
Prococcophagus probus PA

State: CA
County: Trinity
Genus-species: Urophora affinis WE
Urophora cardui WE

State: CA
County: Tulare
Genus-species: Ametadoria misella PA
Aphytis sp. PA
Atholus maindronii PR
Diadegma sp. PA
Glyptapanteles harrisinae PA
Habrolepis sp. PA
Aphidius ervi PA
Aspidiotiphagus sp. PA
Chelonus mccombi PA
Encarsia sp. PA
Goniozus legneri PA
Pactolinus parallelus PR

State: CA
County: Ventura
Genus-species: Amitus ?spiniferus PA
Aphytis sp. PA
Cales noacki PA
Eretmocerus sp. PA
Euseius hibisci PR
Euseius stipulatus PR
Exochomus flavipes PR
Hyperaspis senegalensis hottentotta PR
Metaphycus stramineus PA
Aphytis melinus PA
Aspidiotiphagus sp. PA
Encarsia sp. PA
Euseius elinae PR
Euseius quetzali PR
Euseius tutsi PR
Habrolepis sp. PA
Metaphycus funicularis PA

State: CA
County: Yolo
Genus-species: Aphidius ervi PA
Tetrastichus gallerucae PA
Coleophora klimeschiella WE

State: CO
County: Adams
Genus-species: Ephedrus plagiator PA

State: CO
County: Delta
Genus-species: Dendrosoter protuberans PA
Rhinocyllus conicus WE

State: CO
County: Denver
Genus-species: Ephedrus plagiator PA

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Each County Followed by List of Released Organisms Alphabetized by Genus-species, with Type of Organism

State: CO
County: Douglas
Genus-species: Dendrosoter protuberans PA
Rhinocyllus conicus WE

State: CO
County: Garfield
Genus-species: Dendrosoter protuberans PA

State: CO
County: LaPlata
Genus-species: Rhinocyllus conicus WE

State: CO
County: Las Animas
Genus-species: Brachymeria intermedia PA
Coccygomimus disparis PA
Brachymeria lasus PA

State: CO
County: Mesa
Genus-species: Coleophora klimeschiella WE
Ephedrus plagiator PA
Rhinocyllus conicus WE
Dendrosoter protuberans PA
Microlarinus lareynii WE

State: CO
County: Montezuma
Genus-species: Rhinocyllus conicus WE

State: CO
County: Montrose
Genus-species: Dendrosoter protuberans PA
Rhinocyllus conicus WE

State: CO
County: Pitkin
Genus-species: Rhinocyllus conicus WE

State: CO
County: Weld
Genus-species: Rhinocyllus conicus WE

State: CT
County: Hartford
Genus-species: Dinorhynchus dybowskyi PR

State: CT
County: Middlesex
Genus-species: Compsilura concinnata PA

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Each County Followed by List of Released Organisms Alphabetized by Genus-species, with Type of Organism

State: CT
County: New Haven
Genus-species: Rogas lymantriae PA

State: CT
County: New London
Genus-species: Rogas lymantriae PA

State: CZ
County:
Genus-species: Neochetina bruchi WE

State: DC
County: Washington
Genus-species: Osmia cornifrons PO

State: DE
County: Kent
Genus-species: Pediobius foveolatus PA

State: DE
County: New Castle
Genus-species: Aleurodiphilus pergandiellus PA
Edovum puttleri PA
Eretmocerus ?californicus PA
Glyptapanteles flavicoxis PA
Oplomus severus PR
Calosoma sycophanta PR
Encarsia formosa PA
Euseius hibisci PR
Lathrolestes minutus PA
Pediobius foveolatus PA

State: DE
County: Sussex
Genus-species: Pediobius foveolatus PA

State: FL
County:
Genus-species: Amitus hesperidum PA
Encarsia opulenta PA

State: FL
County: Alachua
Genus-species: Eocanthecona furcellata PR
Larra bicolor PA

State: FL
County: Broward
Genus-species: Larra bicolor PA

State: FL
County: Collier
Genus-species: Euplectrus puttleri PA

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Each County Followed by List of Released Organisms Alphabetized by Genus-species, with Type of Organism

State: FL
County: Dade
Genus-species: Aganaspis daci PA
Pediobius facialis PA
Euplectrus puttleri PA

State: FL
County: Gadsden
Genus-species: Eocanthecona furcellata PR

State: FL
County: Hillsborough
Genus-species: Larra bicolor PA

State: FL
County: Palm Beach
Genus-species: Euplectrus puttleri PA
Iphiaulax sp. PA

State: GA
County: Houston
Genus-species: Harmonia axyridis PR

State: GA
County: Peach
Genus-species: Harmonia axyridis PR
Harmonia conformis PR

State: GU
County:
Genus-species: Encarsia ?haitiensis PA
Nephaspis oculata PR

State: HI
County: Hawaii
Genus-species: Coleophora klimeschiella WE
Encarsia ?haitiensis PA
Nephaspis bicolor PR
Stethorus picipes PR
Delphastus pusillus PR
Encarsia sp. PA
Nephaspis oculata PR

State: HI
County: Honolulu
Genus-species: Amitus ?spiniferus PA
Cales noacki PA
Chrysocharis sp. PA
Delphastus pusillus PR
Nephaspis bicolor PR
Opius dissitus PA
Apanteles scutellaris PA
Chrysocharis parksi PA
Chrysocharis sp. nr. giraulti PA
Encarsia sp. PA
Nephaspis oculata PR

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Each County Followed by List of Released Organisms Alphabetized by Genus-species, with Type of Organism

State: HI
County: Kauai
Genus-species: Delphastus pusillus PR
Encarsia sp. PA
Nephaspis oculata PR
Encarsia ?haitiensis PA
Nephaspis bicolor PR

State: HI
County: Maui
Genus-species: Apanteles scutellaris PA
Cerchysiella utilis PA
Encarsia ?haitiensis PA
Nephaspis bicolor PR
Philothalpus analis PR
Campoplex n. sp. PA
Cotesia plutellae PA
Encarsia sp. PA
Nephaspis oculata PR

State: HI
County: Maui (Molokai I)
Genus-species: Encarsia ?haitiensis PA
Nephaspis oculata PR
Encarsia sp. PA

State: IA
County:
Genus-species: Bathyplectes curculionis PA
Microctonus colesi PA

State: IA
County: Cass
Genus-species: Bathyplectes anurus PA
Microctonus aethiopoides PA

State: IA
County: Clayton
Genus-species: Bathyplectes anurus PA
Tetrastichus incertus PA
Microctonus aethiopoides PA

State: IA
County: Davis
Genus-species: Bathyplectes anurus PA
Tetrastichus incertus PA

State: IA
County: Floyd
Genus-species: Bathyplectes anurus PA
Microctonus aethiopoides PA

State: IA
County: Hancock
Genus-species: Microctonus aethiopoides PA

State: IA
County: Jones
Genus-species: Bathyplectes anurus PA

SECTION VI - RELEASES OF INTRODUCED BENEFICIAL ORGANISMS BY STATE/TERRITORY AND COUNTY - 1981
Each County Followed by List of Released Organisms Alphabetized by Genus-species, with Type of Organism

State: IA
County: Louisa
Genus-species: Bathyplectes anurus PA

State: IA
County: Madison
Genus-species: Bathyplectes anurus PA
Microctonus aethiopoides PA

State: IA
County: Mahaska
Genus-species: Bathyplectes anurus PA
Microctonus aethiopoides PA

State: IA
County: Sac
Genus-species: Bathyplectes anurus PA
Microctonus aethiopoides PA

State: IA
County: Story
Genus-species: Bathyplectes anurus PA
Microctonus aethiopoides PA
Rhinocyllus conicus WE

State: IA
County: Tama
Genus-species: Bathyplectes anurus PA
Microctonus aethiopoides PA

State: ID
County: Ada
Genus-species: Pediobius foveolatus PA

State: ID
County: Blaine
Genus-species: Urophora affinis WE

State: ID
County: Bonner
Genus-species: Metzneria paucipunctella WE

State: ID
County: Idaho
Genus-species: Metzneria paucipunctella WE

State: ID
County: Kootenai
Genus-species: Metzneria paucipunctella WE

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Each County Followed by List of Released Organisms Alphabetized by Genus-species, with Type of Organism

State: ID
County: Nez Perce
Genus-species: Urophora cardui WE

State: IL
County:
Genus-species: Bathyplectes curculionis PA Microctonus colesi PA

State: IL
County: Carroll
Genus-species: Bathyplectes anurus PA

State: IL
County: DeKalb
Genus-species: Bathyplectes anurus PA

State: IL
County: Edwards
Genus-species: Bathyplectes anurus PA

State: IL
County: Greene
Genus-species: Bathyplectes anurus PA

State: IL
County: Hancock
Genus-species: Bathyplectes anurus PA

State: IL
County: Kankakee
Genus-species: Bathyplectes anurus PA

State: IL
County: Knox
Genus-species: Bathyplectes anurus PA

State: IL
County: LaSalle
Genus-species: Bathyplectes anurus PA

State: IL
County: Marshall
Genus-species: Bathyplectes anurus PA

State: IL
County: Mason
Genus-species: Bathyplectes anurus PA

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Each County Followed by List of Released Organisms Alphabetized by Genus-species, with Type of Organism

State: IL
County: Pope
Genus-species: Bathyplectes anurus PA
Tetrastichus incertus PA

State: IL
County: Will
Genus-species: Bathyplectes anurus PA
Tetrastichus incertus PA

State: IN
County:
Genus-species: Bathyplectes curculionis PA
Microctonus colesi PA

State: IN
County: Bartholomew
Genus-species: Pediobius foveolatus PA

State: IN
County: Boone
Genus-species: Bathyplectes anurus PA

State: IN
County: Clay
Genus-species: Pediobius foveolatus PA

State: IN
County: Decatur
Genus-species: Pediobius foveolatus PA

State: IN
County: Fulton
Genus-species: Bathyplectes anurus PA

State: IN
County: Jackson
Genus-species: Pediobius foveolatus PA

State: IN
County: Jennings
Genus-species: Pediobius foveolatus PA

State: IN
County: LaPorte
Genus-species: Bathyplectes anurus PA

State: IN
County: Lawrence
Genus-species: Bathyplectes anurus PA
Tetrastichus incertus PA

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Each County Followed by List of Released Organisms Alphabetized by Genus-species, with Type of Organism

State: IN
County: Tippecanoe
Genus-species: Pediobius foveolatus PA

State: IN
County: Wells
Genus-species: Bathyplectes anurus PA

State: KS
County: Cloud
Genus-species: Rhinocyllus conicus WE

State: KS
County: Ellis
Genus-species: Coleophora klimeschiella WE

State: KS
County: Nemaha
Genus-species: Rhinocyllus conicus WE

State: KS
County: Pottawatomie
Genus-species: Trichosirocalus horridus WE

State: KS
County: Riley
Genus-species: Trichosirocalus horridus WE

State: KS
County: Russell
Genus-species: Coleophora klimeschiella WE

State: KY
County:
Genus-species: Bathyplectes curculionis PA
Microctonus colesi PA

State: KY
County: Hart
Genus-species: Bathyplectes anurus PA
Microctonus aethiopoides PA

State: KY
County: Pulaski
Genus-species: Bathyplectes anurus PA

State: LA
County: Bossier
Genus-species: Cotesia ruficrus PA

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Each County Followed by List of Released Organisms Alphabetized by Genus-species, with Type of Organism

State: LA
County: Iberville
Genus-species: Agasicles hygrophila WE

State: LA
County: Lafourche
Genus-species: Agasicles hygrophila WE

State: LA
County: St Charles
Genus-species: Agasicles hygrophila WE

State: LA
County: St John /Baptist
Genus-species: Agasicles hygrophila WE

State: LA
County: St Martin
Genus-species: Sameodes albiguttalis WE

State: LA
County: St Mary
Genus-species: Agasicles hygrophila WE

State: LA
County: Vermilion
Genus-species: Sameodes albiguttalis WE

State: MA
County: Barnstable
Genus-species: Pediobius foveolatus PA

State: MD
County: Allegany
Genus-species: Dacnusa dryas PA

State: MD
County: Anne Arundel
Genus-species: Coccipolipus epilachnae PA
Diaparsis temporalis PA

State: MD
County: Baltimore
Genus-species: Chrysocharis liriomyzae PA
Dacnusa dryas PA
Coccipolipus epilachnae PA
Urophora cardui WE

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Each County Followed by List of Released Organisms Alphabetized by Genus-species, with Type of Organism

State: MD
County: Caroline
Genus-species: Pediobius foveolatus PA

State: MD
County: Carroll
Genus-species: Coccipolipus epilachnae PA
Pediobius foveolatus PA

State: MD
County: Cecil
Genus-species: Dinorhynchus dybowskyi PR

State: MD
County: Charles
Genus-species: Coccipolipus epilachnae PA

State: MD
County: Dorchester
Genus-species: Pediobius foveolatus PA

State: MD
County: Frederick
Genus-species: Diaparsis temporalis PA
Neoseiulus californicus PR
Tetrastichus julis PA
Encarsia formosa PA
Phytoseiulus persimilis PR
Trichosirocalus horridus WE

State: MD
County: Harford
Genus-species: Dacnusa dryas PA

State: MD
County: Howard
Genus-species: Dacnusa dryas PA

State: MD
County: Kent
Genus-species: Pediobius foveolatus PA

State: MD
County: Prince Georges
Genus-species: Coccipolipus epilachnae PA
Harmonia axyridis PR
Hexamermis sp. PA
Pithitis smaragdula PO
Urophora cardui WE
Edovum puttleri PA
Harmonia conformis PR
Osmia cornifrons PO
Trichosirocalus horridus WE

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Each County Followed by List of Released Organisms Alphabetized by Genus-species, with Type of Organism

State: MD
County: Queen Annes
Genus-species: Pediobius foveolatus PA

State: MD
County: Somerset
Genus-species: Pediobius foveolatus PA

State: MD
County: Talbot
Genus-species: Pediobius foveolatus PA

State: MD
County: Wicomico
Genus-species: Pediobius foveolatus PA

State: ME
County: Hancock
Genus-species: Harmonia axyridis PR
Harmonia conformis PR

State: MI
County:
Genus-species: Bathyplectes curculionis PA
Microctonus colesi PA

State: MI
County: Berrien
Genus-species: Bathyplectes anurus PA
Tetrastichus incertus PA

State: MI
County: Delta
Genus-species: Bathyplectes anurus PA

State: MI
County: Ionia
Genus-species: Bathyplectes anurus PA

State: MI
County: Iosco
Genus-species: Bathyplectes anurus PA

State: MI
County: Oceana
Genus-species: Bathyplectes anurus PA

State: MI
County: Tuscola
Genus-species: Bathyplectes anurus PA

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Each County Followed by List of Released Organisms Alphabetized by Genus-species, with Type of Organism

State: MN
County: Dakota
Genus-species: Coleophora klimeschiella WE
Coleophora parthenica WE

State: MO
County:
Genus-species: Bathyplectes curculionis PA
Microctonus colesi PA

State: MO
County: Andrew
Genus-species: Bathyplectes anurus PA
Rhinocyllus conicus WE
Microctonus aethiopoides PA

State: MO
County: Barry
Genus-species: Bathyplectes anurus PA
Rhinocyllus conicus WE
Microctonus aethiopoides PA

State: MO
County: Bates
Genus-species: Rhinocyllus conicus WE

State: MO
County: Benton
Genus-species: Rhinocyllus conicus WE

State: MO
County: Boone
Genus-species: Edovum puttleri PA
Rhinocyllus conicus WE

State: MO
County: Caldwell
Genus-species: Bathyplectes anurus PA
Rhinocyllus conicus WE
Microctonus aethiopoides PA

State: MO
County: Cape Girardeau
Genus-species: Edovum puttleri PA

State: MO
County: Carroll
Genus-species: Rhinocyllus conicus WE

State: MO
County: Cass
Genus-species: Bathyplectes anurus PA
Rhinocyllus conicus WE
Microctonus aethiopoides PA

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Each County Followed by List of Released Organisms Alphabetized by Genus-species, with Type of Organism

State: MO
County: Cedar
Genus-species: Bathyplectes anurus PA
Rhinocyllus conicus WE
Microctonus aethiopoides PA

State: MO
County: Chariton
Genus-species: Bathyplectes anurus PA
Microctonus aethiopoides PA

State: MO
County: Christian
Genus-species: Rhinocyllus conicus WE

State: MO
County: Clay
Genus-species: Rhinocyllus conicus WE

State: MO
County: Clinton
Genus-species: Rhinocyllus conicus WE

State: MO
County: Cole
Genus-species: Bathyplectes anurus PA
Tetrastichus incertus PA

State: MO
County: Crawford
Genus-species: Rhinocyllus conicus WE

State: MO
County: Dade
Genus-species: Rhinocyllus conicus WE

State: MO
County: Daviess
Genus-species: Rhinocyllus conicus WE

State: MO
County: DeKalb
Genus-species: Rhinocyllus conicus WE

State: MO
County: Greene
Genus-species: Bathyplectes anurus PA
Tetrastichus incertus PA
Microctonus aethiopoides PA

SECTION VI - RELEASES OF INTRODUCED BENEFICIAL ORGANISMS BY STATE/TERRITORY AND COUNTY - 1981
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State: MO
County: Grundy
Genus-species: Edovum puttleri PA

State: MO
County: Harrison
Genus-species: Bathyplectes anurus PA
Microctonus aethiopoides PA

State: MO
County: Holt
Genus-species: Rhinocyllus conicus WE

State: MO
County: Howard
Genus-species: Rhinocyllus conicus WE
Trichosirocalus horridus WE

State: MO
County: Jackson
Genus-species: Rhinocyllus conicus WE

State: MO
County: Johnson
Genus-species: Microctonus aethiopoides PA
Tetrastichus incertus PA

State: MO
County: Laclede
Genus-species: Bathyplectes anurus PA
Microctonus aethiopoides PA
Rhinocyllus conicus WE

State: MO
County: Lawrence
Genus-species: Edovum puttleri PA

State: MO
County: Linn
Genus-species: Rhinocyllus conicus WE

State: MO
County: New Madrid
Genus-species: Iphiaulax sp. PA

State: MO
County: Nodaway
Genus-species: Bathyplectes anurus PA
Microctonus aethiopoides PA

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State: MO
County: Platte
Genus-species: Rhinocyllus conicus WE

State: MO
County: Schuyler
Genus-species: Bathyplectes anurus PA
Tetrastichus incertus PA

State: MO
County: St. Charles
Genus-species: Edovum puttleri PA

State: MO
County: Stone
Genus-species: Rhinocyllus conicus WE

State: MO
County: Taney
Genus-species: Rhinocyllus conicus WE

State: MO
County: Wright
Genus-species: Rhinocyllus conicus WE

State: MS
County: Lamar
Genus-species: Telenomus chloropus PA

State: MS
County: Leflore
Genus-species: Agasicles hygrophila WE

State: MS
County: Washington
Genus-species: Microplitis demolitor PA
Ooencyrtus malayensis PA

State: MT
County:
Genus-species: Urophora affinis WE
Urophora quadrifasciata WE

State: MT
County: Beaverhead
Genus-species: Rhinocyllus conicus WE

State: MT
County: Flathead
Genus-species: Ceutorhynchus litura WE

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State: MT
County: Gallatin
Genus-species: Ceutorhynchus litura WE

State: MT
County: Granite
Genus-species: Rhinocyllus conicus WE

State: MT
County: Judith Basin
Genus-species: Ceutorhynchus litura WE
Coleophora klimeschiella WE

State: MT
County: Lake
Genus-species: Rhinocyllus conicus WE

State: MT
County: Lewis and Clark
Genus-species: Rhinocyllus conicus WE

State: MT
County: Madison
Genus-species: Rhinocyllus conicus WE

State: MT
County: Meagher
Genus-species: Rhinocyllus conicus WE

State: MT
County: Mineral
Genus-species: Urophora affinis WE

State: MT
County: Musselshell
Genus-species: Rhinocyllus conicus WE

State: MT
County: Powell
Genus-species: Rhinocyllus conicus WE

State: MT
County: Ravalli
Genus-species: Metzneria paucipunctella WE
Trichosirocalus horridus WE
Urophora cardui WE

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State: MT
County: Roosevelt
Genus-species: Ceutorhynchus litura WE

State: MT
County: Teton
Genus-species: Rhinocyllus conicus WE

State: MT
County: Yellowstone
Genus-species: Ceutorhynchus litura WE

State: NC
County: Avery
Genus-species: Chrysonotomyia formosa PA
Chrysonotomyia sp. "green" PA
Monodontomerus dentipes PA
Chrysonotomyia ruforum PA
Dipriocampe diprioni PA

State: NC
County: Buncombe
Genus-species: Olesicampe benefactor PA

State: NC
County: Chatham
Genus-species: Anaphes flavipes PA
Tetrastichus julis PA
Lemophagus curtus PA

State: NC
County: Davie
Genus-species: Diaparsis temporalis PA
Tetrastichus julis PA
Lemophagus curtus PA

State: NC
County: Person
Genus-species: Anaphes flavipes PA
Diaparsis temporalis PA

State: NC
County: Rockingham
Genus-species: Anaphes flavipes PA
Diaparsis temporalis PA

State: NC
County: Stokes
Genus-species: Anaphes flavipes PA
Diaparsis temporalis PA

State: NC
County: Vance
Genus-species: Anaphes flavipes PA

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State: NC
County: Wake
Genus-species: Neoseiulus californicus PR
Phytoseiulus persimilis PR
Osmia cornifrons PO

State: NC
County: Warren
Genus-species: Anaphes flavipes PA

State: NC
County: Wilkes
Genus-species: Osmia lignaria propinqua PO

State: ND
County: Pembina
Genus-species: Trichosirocalus horridus WE

State: NE
County: Buffalo
Genus-species: Rhinocyllus conicus WE

State: NE
County: Butler
Genus-species: Rhinocyllus conicus WE

State: NE
County: Cuming
Genus-species: Spalangia endius PA

State: NE
County: Dawson
Genus-species: Rhinocyllus conicus WE

State: NE
County: Franklin
Genus-species: Rhinocyllus conicus WE

State: NE
County: Greeley
Genus-species: Rhinocyllus conicus WE

State: NE
County: Howard
Genus-species: Rhinocyllus conicus WE

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State: NE
County: Johnson
Genus-species: Rhinocyllus conicus WE

State: NE
County: Knox
Genus-species: Rhinocyllus conicus WE

State: NE
County: Merrick
Genus-species: Rhinocyllus conicus WE

State: NE
County: Pawnee
Genus-species: Rhinocyllus conicus WE

State: NE
County: Polk
Genus-species: Rhinocyllus conicus WE

State: NE
County: Saunders
Genus-species: Rhinocyllus conicus WE
Trichosirocalus horridus WE

State: NE
County: Sherman
Genus-species: Rhinocyllus conicus WE

State: NH
County: Carroll
Genus-species: Brachymeria intermedia PA
Calosoma sycophanta PR

State: NH
County: Merrimack
Genus-species: Brachymeria intermedia PA
Calosoma sycophanta PR

State: NH
County: Strafford
Genus-species: Calosoma sycophanta PR

State: NJ
County: Atlantic
Genus-species: Pediobius foveolatus PA

State: NJ
County: Burlington
Genus-species: Brachymeria intermedia PA
Coccygomimus disparis PA

(County continued next page)

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Genus-species: Lathrolestes minutus PA
Pediobius foveolatus PA

State: NJ
County: Camden
Genus-species: Pediobius foveolatus PA
Rhinocyllus conicus WE

State: NJ
County: Cumberland
Genus-species: Pediobius foveolatus PA

State: NJ
County: Gloucester
Genus-species: Pediobius foveolatus PA
Rhinocyllus conicus WE

State: NJ
County: Hunterdon
Genus-species: Compsilura concinnata PA
Rhinocyllus conicus WE

State: NJ
County: Mercer
Genus-species: Pediobius foveolatus PA

State: NJ
County: Middlesex
Genus-species: Pediobius foveolatus PA

State: NJ
County: Monmouth
Genus-species: Compsilura concinnata PA
Pediobius foveolatus PA
Glyptapanteles flavicoxis PA

State: NJ
County: Morris
Genus-species: Anastatus disparis PA
Coccygomimus disparis PA
Brachymeria intermedia PA
Pediobius foveolatus PA

State: NJ
County: Ocean
Genus-species: Glyptapanteles flavicoxis PA
Pediobius foveolatus PA

State: NJ
County: Salem
Genus-species: Pediobius foveolatus PA
Rhinocyllus conicus WE

State: NJ
County: Somerset
Genus-species: Brachymeria intermedia PA
Pediobius foveolatus PA

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State: NJ
County: Warren
Genus-species: Peristenus digoneutis PA
Peristenus stygicus PA
Peristenus rubricollis PA
Rhinocyllus conicus WE

State: OH
County:
Genus-species: Bathyplectes curculionis PA
Microctonus colesi PA

State: OH
County: Crawford
Genus-species: Bathyplectes anurus PA

State: OH
County: Franklin
Genus-species: Bathyplectes anurus PA

State: OH
County: Miami
Genus-species: Bathyplectes anurus PA

State: OH
County: Morrow
Genus-species: Bathyplectes anurus PA

State: OH
County: Wayne
Genus-species: Chrysocharis liriomyzae PA
Dacnusa dryas PA

State: OK
County: Payne
Genus-species: Aphidius matricariae PA
Ephedrus plagiator PA

State: OR
County: Baker
Genus-species: Chrysocharis laricinellae PA

State: OR
County: Clackamas
Genus-species: Agrypon flaveolatum PA
Cyzenis albicans PA

State: OR
County: Crook
Genus-species: Chrysocharis laricinellae PA

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State: OR
County: Deschutes
Genus-species: Metzneria paucipunctella WE

State: OR
County: Douglas
Genus-species: Rhinocyllus conicus WE

State: OR
County: Grant
Genus-species: Chrysocharis laricinellae PA

State: OR
County: Harney
Genus-species: Rhinocyllus conicus WE

State: OR
County: Jefferson
Genus-species: Chrysocharis laricinellae PA

State: OR
County: Klamath
Genus-species: Oberea erythrocephala WE

State: OR
County: Linn
Genus-species: Agrypon flaveolatum PA

State: OR
County: Marion
Genus-species: Urophora cardui WE
Zeuxidiplosis giardi WE

State: OR
County: Morrow
Genus-species: Chrysocharis laricinellae PA

State: OR
County: Polk
Genus-species: Rhinocyllus conicus WE

State: OR
County: Sherman
Genus-species: Urophora affinis WE

State: OR
County: Umatilla
Genus-species: Chrysocharis laricinellae PA

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State: OR
County: Union
Genus-species: Chrysocharis laricinellae PA
Diadegma laricinellum PA

State: OR
County: Wallowa
Genus-species: Chrysocharis laricinellae PA

State: OR
County: Wasco
Genus-species: Urophora affinis WE

State: OR
County: Wheeler
Genus-species: Chrysocharis laricinellae PA

State: PA
County:
Genus-species: Bathyplectes curculionis PA
Microctonus colesi PA

State: PA
County: Bucks
Genus-species: Pediobius foveolatus PA

State: PA
County: Centre
Genus-species: Cotesia melanoscelus PA
Phytoseiulus persimilis PR

State: PA
County: Chester
Genus-species: Grypocentrus albipes PA

State: PA
County: Cumberland
Genus-species: Dinorhynchus dybowskyi PR

State: PA
County: Franklin
Genus-species: Trichosirocalus horridus WE

State: PA
County: Jefferson
Genus-species: Bathyplectes anurus PA

State: PA
County: Lancaster
Genus-species: Chrysocharis liriomyzae PA
Dacnusa dryas PA

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Each County Followed by List of Released Organisms Alphabetized by Genus-species, with Type of Organism

State: PA
County: Mercer
Genus-species: Bathyplectes anurus PA

State: PA
County: Monroe
Genus-species: Chrysocharis nitetis PA
Lathrolestes minutus PA
Grypocentrus albipes PA

State: PA
County: Montgomery
Genus-species: Eretmocerus ?californicus PA
Pediobius foveolatus PA
Neoseiulus californicus PR
Phytoseiulus persimilis PR

State: PA
County: Washington
Genus-species: Bathyplectes anurus PA

State: PA
County: York
Genus-species: Diadegma laricinellum PA

State: PR
County: San Juan Distr
Genus-species: Steinernema feltiae PA

State: SC
County: Barnwell
Genus-species: Cotesia ruficrus PA
Voria ruralis PA
Microplitis demolitor PA

State: SC
County: Beaufort
Genus-species: Cotesia ruficrus PA
Pediobius facialis PA

State: SC
County: Charleston
Genus-species: Cotesia ruficrus PA
Pediobius facialis PA
Microplitis demolitor PA

State: SD
County: Bon Homme
Genus-species: Trichosirocalus horridus WE

State: SD
County: Brookings
Genus-species: Coleophora klimeschiella WE
Coleophora parthenica WE

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State: SD
County: Charles Mix
Genus-species: Rhinocyllus conicus WE

State: SD
County: Gregory
Genus-species: Rhinocyllus conicus WE
Trichosirocalus horridus WE

State: SD
County: Lawrence
Genus-species: Rhinocyllus conicus WE

State: TX
County: Brazos
Genus-species: Aphidius matricariae PA

State: TX
County: Burleson
Genus-species: Onitis alexis OT

State: TX
County: Chambers
Genus-species: Neochetina bruchi WE

State: TX
County: Gillespie
Genus-species: Euoniticellus intermedius OT
Onthophagus bonasus OT

State: TX
County: Jasper
Genus-species: Amynothrips andersoni WE

State: TX
County: Jefferson
Genus-species: Amynothrips andersoni WE
Sameodes albiguttalis WE
Neochetina eichhorniae WE

State: TX
County: Potter
Genus-species: Coleophora klimeschiella WE

State: TX
County: Reeves
Genus-species: Coleophora klimeschiella WE

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State: UT
County: Cache
Genus-species: Rhinocyllus conicus WE

State: UT
County: Weber
Genus-species: Rhinocyllus conicus WE

State: VA
County:
Genus-species: Bathyplectes curculionis PA
Microctonus colesi PA

State: VA
County: Accomack
Genus-species: Compsilura concinnata PA

State: VA
County: Albemarle
Genus-species: Bathyplectes anurus PA
Trichosirocalus horridus WE
Rhinocyllus conicus WE

State: VA
County: Augusta
Genus-species: Rhinocyllus conicus WE
Trichosirocalus horridus WE

State: VA
County: Bath
Genus-species: Bathyplectes anurus PA

State: VA
County: Bedford
Genus-species: Bathyplectes anurus PA

State: VA
County: Botetourt
Genus-species: Bathyplectes anurus PA

State: VA
County: Caroline
Genus-species: Pediobius foveolatus PA

State: VA
County: Charlottesville
Genus-species: Neoseiulus californicus PR
Phytoseiulus persimilis PR

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Each County Followed by List of Released Organisms Alphabetized by Genus-species, with Type of Organism

State: VA
County: Chesapeake
Genus-species: Compsilura concinnata PA
Meteorus pulchricornis PA

State: VA
County: Clarke
Genus-species: Compsilura concinnata PA
Rhinocyllus conicus WE
Meteorus pulchricornis PA
Trichosirocalus horridus WE

State: VA
County: Culpeper
Genus-species: Compsilura concinnata PA
Rhinocyllus conicus WE
Meteorus pulchricornis PA
Trichosirocalus horridus WE

State: VA
County: Dinwiddie
Genus-species: Pediobius foveolatus PA

State: VA
County: Essex
Genus-species: Pediobius foveolatus PA

State: VA
County: Fairfax
Genus-species: Brachymeria intermedia PA
Meteorus pulchricornis PA
Compsilura concinnata PA

State: VA
County: Fairfax City
Genus-species: Brachymeria intermedia PA
Meteorus pulchricornis PA
Compsilura concinnata PA

State: VA
County: Fauquier
Genus-species: Brachymeria intermedia PA
Meteorus pulchricornis PA
Trichosirocalus horridus WE
Compsilura concinnata PA
Rhinocyllus conicus WE

State: VA
County: Floyd
Genus-species: Compsilura concinnata PA
Meteorus pulchricornis PA
Dacnusa dryas PA

State: VA
County: Frederick
Genus-species: Rhinocyllus conicus WE
Trichosirocalus horridus WE

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State: VA
County: Gloucester
Genus-species: Pediobius foveolatus PA

State: VA
County: Greene
Genus-species: Rhinocyllus conicus WE
Trichosirocalus horridus WE

State: VA
County: Halifax
Genus-species: Bathyplectes anurus PA

State: VA
County: Hanover
Genus-species: Diaparsis temporalis PA
Tetrastichus julis PA
Lemophagus curtus PA

State: VA
County: Henrico
Genus-species: Pediobius foveolatus PA

State: VA
County: Isle of Wight
Genus-species: Pediobius foveolatus PA

State: VA
County: King and Queen
Genus-species: Pediobius foveolatus PA

State: VA
County: King George
Genus-species: Pediobius foveolatus PA

State: VA
County: King William
Genus-species: Pediobius foveolatus PA

State: VA
County: Lancaster
Genus-species: Pediobius foveolatus PA

State: VA
County: Loudoun
Genus-species: Brachymeria intermedia PA
Meteorus pulchricornis PA
Trichosirocalus horridus WE
Compsilura concinnata PA
Rhinocyllus conicus WE

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State: VA
County: Louisa
Genus-species: Rhinocyllus conicus WE
Trichosirocalus horridus WE

State: VA
County: Lunenburg
Genus-species: Compsilura concinnata PA
Meteorus pulchricornis PA

State: VA
County: Madison
Genus-species: Rhinocyllus conicus WE
Trichosirocalus horridus WE

State: VA
County: Mathews
Genus-species: Pediobius foveolatus PA

State: VA
County: Montgomery
Genus-species: Compsilura concinnata PA
Meteorus pulchricornis PA
Dacnusa dryas PA

State: VA
County: New Kent
Genus-species: Compsilura concinnata PA
Pediobius foveolatus PA
Meteorus pulchricornis PA

State: VA
County: Northampton
Genus-species: Compsilura concinnata PA
Meteorus pulchricornis PA

State: VA
County: Northumberland
Genus-species: Pediobius foveolatus PA

State: VA
County: Orange
Genus-species: Rhinocyllus conicus WE
Trichosirocalus horridus WE

State: VA
County: Prince George
Genus-species: Pediobius foveolatus PA

State: VA
County: Prince William
Genus-species: Compsilura concinnata PA
Meteorus pulchricornis PA

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State: VA
County: Richmond
Genus-species: Bathyplectes anurus PA
Pediobius foveolatus PA

State: VA
County: Roanoke
Genus-species: Bathyplectes anurus PA

State: VA
County: Rockbridge
Genus-species: Rhinocyllus conicus WE
Trichosirocalus horridus WE

State: VA
County: Rockingham
Genus-species: Compsilura concinnata PA
Meteorus pulchricornis PA

State: VA
County: Shenandoah
Genus-species: Rhinocyllus conicus WE
Trichosirocalus horridus WE

State: VA
County: Spotsylvania
Genus-species: Compsilura concinnata PA
Meteorus pulchricornis PA

State: VA
County: Suffolk
Genus-species: Compsilura concinnata PA

State: VA
County: Surry
Genus-species: Pediobius foveolatus PA

State: VA
County: Virginia Beach
Genus-species: Anthribus nebulosus PR
Meteorus pulchricornis PA
Compsilura concinnata PA
Pediobius foveolatus PA

State: VA
County: Westmoreland
Genus-species: Pediobius foveolatus PA

State: WA
County: Chelan
Genus-species: Calvia quatuordecimguttata PR
Harmonia conformis PR
Oenopia conglobata PR
Harmonia axyridis PR
Menochilus quadriplagiatus PR
Propylea quatuordecimpunctata PR

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State: WA
County: Ferry
Genus-species: Urophora affinis WE

State: WA
County: Klickitat
Genus-species: Calvia quatuordecimguttata PR
Harmonia conformis PR
Oenopia conglobata PR
Urophora affinis WE
Harmonia axyridis PR
Menochilus quadriplagiatus PR
Propylea quatuordecimpunctata PR

State: WA
County: Spokane
Genus-species: Metzneria paucipunctella WE

State: WA
County: Whitman
Genus-species: Coleophora klimeschiella WE
Metzneria paucipunctella WE
Coleophora parthenica WE
Zeuxidiplosis giardi WE

State: WA
County: Yakima
Genus-species: Harmonia axyridis PR
Menochilus quadriplagiatus PR
Harmonia conformis PR

State: WI
County:
Genus-species: Bathyplectes curculionis PA
Microctonus colesi PA

State: WI
County: Chippewa
Genus-species: Bathyplectes anurus PA
Microctonus aethiopoides PA

State: WI
County: Dane
Genus-species: Anaphes flavipes PA

State: WI
County: Fond du lac
Genus-species: Bathyplectes anurus PA
Tetrastichus incertus PA

State: WI
County: Iowa
Genus-species: Bathyplectes anurus PA
Tetrastichus incertus PA

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SECTION VI - RELEASES OF INTRODUCED BENEFICIAL ORGANISMS BY STATE/TERRITORY AND COUNTY - 1981
Each County Followed by List of Released Organisms Alphabetized by Genus-species, with Type of Organism

State: WI
County: Jefferson
Genus-species: Anaphes flavipes PA

State: WI
County: Marathon
Genus-species: Bathyplectes anurus PA

State: WI
County: Rock
Genus-species: Anaphes flavipes PA

State: WI
County: Shawano
Genus-species: Bathyplectes anurus PA

State: WI
County: St. Croix
Genus-species: Microctonus aethiopoides PA

State: WI
County: Trempealeau
Genus-species: Bathyplectes anurus PA
Microctonus aethiopoides PA

State: WI
County: Walworth
Genus-species: Anaphes flavipes PA

State: WI
County: Washington
Genus-species: Anaphes flavipes PA

State: WI
County: Waukesha
Genus-species: Lophyroplectus oblongopunctatus PA

State: WV
County:
Genus-species: Bathyplectes curculionis PA
Microctonus colesi PA

State: WV
County: Berkeley
Genus-species: Ooencyrtus kuvanae PA
Trichosirocalus horridus WE
Rhinocyllus conicus WE

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State: WV
County: Grant
Genus-species: Bathyplectes anurus PA

State: WV
County: Greenbrier
Genus-species: Dacnusa dryas PA

State: WV
County: Hardy
Genus-species: Bathyplectes anurus PA
Microctonus aethiopoides PA

State: WV
County: Jefferson
Genus-species: Coccipolipus epilachnae PA
Rhinocyllus conicus WE
Pediobius foveolatus PA

State: WV
County: Monongalia
Genus-species: Bathyplectes anurus PA
Microctonus aethiopoides PA

State: WV
County: Monroe
Genus-species: Trichosirocalus horridus WE

State: WV
County: Preston
Genus-species: Bathyplectes anurus PA
Microctonus aethiopoides PA

State: WY
County: Crook
Genus-species: Oberea erythrocephala WE
Trichosirocalus horridus WE
Rhinocyllus conicus WE

State: WY
County: Fremont
Genus-species: Oberea erythrocephala WE

State: WY
County: Goshen
Genus-species: Rhinocyllus conicus WE

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State: WY
County: Johnson
Genus-species: Trichosirocalus horridus WE

State: WY
County: Lincoln
Genus-species: Rhinocyllus conicus WE

State: WY
County: Park
Genus-species: Rhinocyllus conicus WE

State: WY
County: Sheridan
Genus-species: Oberea erythrocephala WE

State: WY
County: Sublette
Genus-species: Rhinocyllus conicus WE

State: WY
County: Sweetwater
Genus-species: Coleophora klimeschiella WE

State: WY
County: Teton
Genus-species: Rhinocyllus conicus WE

SECTION VII - SHIPMENTS OF BENEFICIAL ORGANISMS FROM U.S. AND TERRITORIAL FACILITIES TO FOREIGN COUNTRIES
Arranged Alphabetically by Genus-species of Organism Shipped

Species Shipped - Genus, Species, Subspecies Author, Order, Family	Host/Prey at Collection Site Genus, Species, Subspecies Author, Common Name	Origin	Shipped to Country Shipper File Number	Shipped - Nos.	Stage(s)
Aganaspis daci (Weld) Hymenoptera Eucoilidae	Ceratitis capitata (Wiedemann) Mediterranean fruit fly	France	Trinidad & Tobago UFH-RMB-81-0002	200e	A
Aschersonia aleyrodis Webber Sphaeopsidales Nectrioidaceae	Dialeurodes sp.	USA: FL	China (PRC) IPRU-RSS-81-0005	?	
Aschersonia goldiana Saccardo & Ellis Sphaeopsidales Nectrioidaceae	SAME	USA: FL	China (PRC) IPRU-RSS-81-0006	?	
Bacillus thuringiensis aizawai Bacillaceae	Plodia interpunctella (Hübner) Indianmeal moth	UK: England	China (PRC) CIRU-HTD-81-0001	?	
Bacillus thuringiensis galleriae Shvetsova Bacillaceae	?	USA: TX (France?)	China (PRC) CIRU-HTD-81-0005	?	
Bacillus thuringiensis israelensis Bacillaceae	SAME	Romania	China (PRC) CIRU-HTD-81-0006	?	
Bacillus thuringiensis kurstaki Bacillaceae	Heliothis virescens (Fabricius) tobacco budworm	USA: TX	China (PRC) CIRU-HTD-81-0002	?	
	?	USA: TX	China (PRC) CIRU-HTD-81-0003	?	

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Bacillus thuringiensis kurstaki Bacillaceae	Ephestia cautella (Walker) almond moth	UK: England	China (PRC) CIRU-HTD-81-0004	?	
Beauveria brongniartii (Saccardo) Petch Moniliales Moniliaceae	Melolontha melolontha (Linnaeus)	France	China (PRC) IPRU-RSS-81-0008	?	
Biosteres longicaudatus Ashmead Hymenoptera Braconidae	Anastrepha ludens (Loew) Mexican fruit fly	Mexico USA: HI	Trinidad & Tobago UFH-RMB-81-0001	500e	A
Bonnetia comta (Fallén) Diptera Tachinidae	Agrotis ipsilon (Hufnagel) black cutworm	USA: OH	New Zealand OARDC-WLR-81-0001	750e	PHL
Coccinella septempunctata Linnaeus Coleoptera Coccinellidae	aphids	USA: DE	Canada BIRL-PWS-81-0054	48	A,P
Compsilura concinnata (Meigen) Diptera Tachinidae	Lymantria dispar (Linnaeus) gypsy moth	France Austria	Italy EPL-81-0035	237	P
Conidiobolus obscurus (Hall & Dunn) R. & K. Entomophthorales Entomophthoraceae	Therioaphis maculata (Buckton) spotted alfalfa aphid	USA: CA	China (PRC) IPRU-RSS-81-0002	?	

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Cotesia marginiventris (Cresson) Hymenoptera Braconidae	?	USA: FL	Trinidad & Tobago UFH-RMB-81-0005	100e	A
Cotesia melanoscelus (Ratzeburg) Hymenoptera Braconidae	Lymantria dispar (Linnaeus) gypsy moth	France	Italy EPL-81-0033	33	C
Dacnusa dryas (Nixon) Hymenoptera Braconidae	Agromyza frontella (Rondani) alfalfa blotch leafminer	USA: PA	Canada BIRL-RMH-81-0071	313	A
	SAME	USA: PA	Canada BIRL-RMH-81-0073	395	A
	SAME	USA: PA	Canada BIRL-RMH-81-0081	220	A
Delphastus pusillus (LeConte) Coleoptera Coccinellidae	Aleurodicus dispersus Russell spiraling whitefly	Trinidad	Israel HDA-81-0002	200e	A
	SAME	Trinidad	Israel HDA-81-0004	25	A
Dirhinus giffardii Silvestri Hymenoptera Chalcididae	Ceratitis capitata (Wiedemann) Mediterranean fruit fly	Reunion	Trinidad & Tobago UFH-RMB-81-0003	500e	A
Erynia radicans (Brefeld) H., B-Z. & K. Entomophthorales Entomophthoraceae	Choristoneura fumiferana (Clemens) spruce budworm	USA: ME	China (PRC) IPRU-RSS-81-0004	?	

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Euaresta bella (Loew) Diptera Tephritidae	Ambrosia artemisiifolia Linnaeus common ragweed	USA: VA	USSR VPI-LTK-81-0022	463	A
	SAME	USA: VA	USSR VPI-LTK-81-0024	280	A
Glyptapanteles porthetriae (Muesebeck) Hymenoptera Braconidae	Lymantria dispar (Linnaeus) gypsy moth	France	Italy EPL-81-0034	86	C
Gryon sp. Hymenoptera Scelionidae	Nezara viridula (Linnaeus) southern green stink bug	Thailand	Brazil SRQF-81-0062	?	PHE
Harmonia axyridis Pallas Coleoptera Coccinellidae	aphids	USSR: Russian SFSR	Canada BIRL-PWS-81-0055	50	A
Hirsutella citriformis Speare Moniliales Moniliaceae	Nilaparvata lugens (Stål) brown planthopper	Malaysia	China (PRC) IPRU-RSS-81-0007	?	
Hirsutella thompsonii Fisher Moniliales Moniliaceae	Phyllocoptruta oleivora (Ashmead) citrus rust mite	USA: FL	USSR IPRU-RSS-81-0001	?	
	SAME	USA: FL	China (PRC) IPRU-RSS-81-0003	?	

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Iphiaulax sp. Hymenoptera Braconidae	Diatraea grandiosella (Dyar) southwestern corn borer	Mexico	Trinidad & Tobago UMO-RLK-81-0001	800e	PHL,A
Longitarsus jacobaeae (Waterhouse) Coleoptera Chrysomelidae	Senecio jacobaea Linnaeus tansy ragwort	USA: OR	New Zealand ORDA-RBH-81-0002	700	A
Lysiphlebus testaceipes (Cresson) Hymenoptera Aphidiidae	Schizaphis graminum (Rondani) greenbug	USA: OK	China (PRC) PSRL-RLB-81-0001	593	MU
Microctonus stelleri Loan Hymenoptera Braconidae	Hypera postica (Gyllenhal) alfalfa weevil	France	Canada EPL-81-0020	345	C
	SAME	France	Canada EPL-81-0021	517	A,C
Myiopharus spp. Diptera Tachinidae	Leptinotarsa decemlineata (Say) Colorado potato beetle	USA: MO	USSR BCIRL-BP-81-0008	125	P
	SAME	USA: MO	USSR BCIRL-BP-81-0011	175e	P
	SAME	USA: MO	USSR BCIRL-BP-81-0014	55	P
	SAME	USA: MO	USSR BCIRL-BP-81-0016	60e	P
	SAME	USA: MO	USSR BCIRL-BP-81-0017	90	P

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Nephaspis oculata (Blatchley) Coleoptera Coccinellidae	Aleurodicus dispersus Russell spiraling whitefly	Honduras Trinidad	Israel HDA-81-0001	300e	A
	SAME	Honduras Trinidad	Israel HDA-81-0003	460e	A
Ooencyrtus ennomophagus Yoshimoto Hymenoptera Encyrtidae	Ennomos subsignarius (Hübner) elm spanworm	USA: CT USA: PA	China (PRC) FSRTPNC-ATD-81-0003	1000e	PHE
Opius concolor Szépligeti Hymenoptera Braconidae	Ceratitis capitata (Wiedemann) Mediterranean fruit fly	Reunion	Trinidad & Tobago UFH-RMB-81-0004	300e	A
Rhinocyllus conicus (Froelich) Coleoptera Curculionidae	Carduus nutans macrocephalus (Desf.) Nyman musk/nodding thistle	USA: MT	Argentina RIL-NER-81-0019	?e	A
Telenomus alsophilae Viereck Hymenoptera Scelionidae	Alsophila pometaria (Harris) fall cankerworm	USA: VA	China (PRC) FSRTPNC-ATD-81-0004	1400e	A,PHE
Telenomus chloropus (Thomson) Hymenoptera Scelionidae	Nezara viridula (Linnaeus) southern green stink bug	Japan: Shikoku Thailand	Brazil SRQF-81-0001	652	PHE
Trichogramma sp. Hymenoptera Trichogrammatidae	Artogeia rapae (Linnaeus) imported cabbageworm	France	China (PRC) EPL-81-0041	250e	PHE

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Trissolcus basalis (Wollaston) Hymenoptera Scelionidae	Nezara viridula (Linnaeus) southern green stink bug	USA: FL	Brazil SRQF-81-0002	735	PHE
Typhlodromus occidentalis (Nesbitt) Acarina Phytoseiidae	Tetranychus spp.	USA: CA, WA	China (PRC) UCBB-MAH-81-0001	?	A,N
Tytthus mundulus (Breddin) Heteroptera Miridae	Perkinsiella saccharicida Kirkaldy sugarcane delphacid	USA: HI	China (PRC) HDA-81-0009	376	A,N
Zygogramma disrupta Rogers Coleoptera Chrysomelidae	Ambrosia psilostachya DC western ragweed	USA: TX	USSR GSWRL-CJD-81-0001	656	A,L,E
Zygogramma suturalis (Fabricius) Coleoptera Chrysomelidae	Ambrosia artemisiifolia Linnaeus common ragweed	USA: VA	USSR VPI-LTK-81-0021	62	A
	SAME	USA: VA	USSR VPI-LTK-81-0023	150	A
parasites of Hypera postica	Hypera postica (Gyllenhal) alfalfa weevil	France	Canada EPL-81-0017	220	PHA?
	SAME	France Sweden	Canada EPL-81-0038	2890	PHA

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SECTION VIII - PARTICIPATING RESEARCH AND ACTION AGENCY PERSONNEL

PART A - Overseas Facilities and Explorers Involved, with Addresses

ARS Overseas Facilities

1. APL — Asian Parasite Laboratory, ARS, USDA 32-7 Fukuzumi, 1-Jo 3-Chrome
Toyohira-ku Sapporo, Hokkaido 062 Japan

2. APLC — Asian Parasite Laboratory, Cooperator Kochi Prefecture, Shikoku
Japan

3. BCWLE — Biological Control of Weeds Lab, Europe ARS, USDA
Via Gastone Monaldi, 34 Rome Italy

4. BCWLEGR — Biological Control of Weeds Lab, Europe Faculty of Agriculture, University Farm
University of Thessaloniki (ARS, USDA) Thessaloniki Greece

5. BCWLSA — Biological Control of Weeds Lab, So Amer ARS, USDA
1559 South Bolivar Hurlingham 1686 Argentina

6. EPL — European Parasite Laboratory, ARS, USDA 47 rue des Fontenelles
Sevres 92310 France

---

1. ? — ?
Sirisingh, S — Uargo, G

2. APL — Asian Parasite Laboratory, ARS, USDA 32-7 Fukuzumi, 1-Jo 3-Chrome
Toyohira-ku Sapporo, Hokkaido 062 Japan
Carlson, R W — Ikebe, K — Suzuki, I

3. APLC — Asian Parasite Laboratory, Cooperator Kochi Prefecture, Shikoku
Japan
Inoue, T

4. AUUG — University of Graz Zoological Institute
Graz Austria
Kaiser, H

5. BCWLE — Biological Control of Weeds Lab, Europe ARS, USDA
Via Gastone Monaldi, 34 Rome 00128 Italy
Campobasso, G — Dunn, P H — Hostettler, N
Mimmocchi, T — Pecora, P — Rizza, A
Spencer, N R

6. BCWLEGR — Biological Control of Weeds Lab, Europe Faculty of Agriculture, University Farm
University of Thessaloniki (ARS, USDA) Thessaloniki Greece
Sobhian, R

SECTION VIII - PARTICIPATING RESEARCH AND ACTION AGENCY PERSONNEL

PART A - Overseas Facilities and Explorers Involved, with Addresses

7. BCWLSA Biological Control of Weeds Lab, So Amer ARS, USDA
1559 South Bolivar Hurlingham 1686 Argentina
Briano, J Cordo, H A Ferrer, M
Ferrer, R

8. BTINY Boyce Thompson Institute Cornell University
Tower Road Ithaca NY 14853 USA
Roberts, D W

9. CAMABC B.C. Ministry of Agriculture 162 Oriole Road
Kamloops BC V2C 4N7 Canada
Cranston, R S

10. CDARPS Canada Dept Agr, Res Progr Services Sect Research Branch, Canada Agriculture
Central Experimental Farm Ottawa ON K1A 0C6 Canada
Kelleher, J S

11. CHCAAS Chinese Academy of Agricultural Sciences Biological Control Laboratory
30, Bai Shi Qiao Road, West Suburbs Beijing China (PRC)
Qiu, S

12. CHGCRI Guangxi Citrus Res. Inst.
Guilin, Guangxi Prov China (PRC)
Chen, Y

13. CHSCAC South China Agricultural College Plant Protection Department
Guangzhou China (PRC)
Chen, S

14. CIBCES Commonwealth Inst of Biological Control European Station
1, Chemin des Grillons Delemont CH-2800 Switzerland
Carl, K P Glanz, W D

15. CIBCESAU Commonwealth Inst of Biological Control European Station, Austrian Substation
Inprugg 35 A-3040 Neulengbach Austria
Altenhofer, E Heidecker, L

16. CIBCIS Commonwealth Inst of Biological Control Indian Station, Post Bag 2484
Hebbal Agricultural Farm, P.O. Bangalore 560 024 India
Ramaseshiah, G

17. CIBCPS Commonwealth Inst of Biological Control Pakistan Station (PARC-CIBC)
Murree Road, P. O. Box 8 Rawalpindi Pakistan
Khan, A G Munawar, M S Siddiqui, R K

18. COMBI Biosystems, Inc. 762 Highway 78
Loganville GA 30249 USA
Prakash, V

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PART A - Overseas Facilities and Explorers Involved, with Addresses

19. COSASAFA Sanid Agropec Secr Agr Fomento Antioquia
Medellin Colombia
Urueta, E J

20. CSIROB Commonwealth Sci & Industrial Org CSIRO Long Pocket Laboratories
Private Bag No. 3 Indooroopilly, Brisbane Queensland 4068 Australia
Sands, D

21. CSIROSL Commonwealth Sci & Industrial Org CSIRO Cunningham Laboratory
St. Lucia Queensland 4067 Australia
Lawn, R J

22. CUENSC Estacion Nacional de Sanidad de Citricos Ministerio de la Agricultura Autopista
Municipio Playo Cuba
Cabrera, R I

23. CZPCC Panama Canal Commission
Balboa Heights CZ USA (Panama Canal Zone)
Murdock, W P

24. EGPPI Parasite Research Divison Plant Protection Institute, Agr Res Ctr
Ministry of Agriculture Dokki, Cairo Egypt
Ibrahim, A A

25. EGUM University of Menofia Faculty of Agriculture
Shebin El Kom Menofia Egypt
Osman, A A

26. EPL European Parasite Laboratory, ARS, USDA 47 rue des Fontenelles
Sevres 92310 France
Coutinot, D
Hedlund, R C
Perkins, B D
Friedman, R
Hoyer, H
Gruber, F
Mercadier, G

27. FRINRAA Inst Natl de la Recherche Agronomique Station de Rech de Zool & de Lutte Biol
37, bd du Cap - B.P. 78 Antibes 06602 France
Voegele, J

28. FRINRAG Inst Natl de la Recherche Agronomique Station de Rech de Lutte Biologique
La Miniere Guyancourt 78280 France
Soares, G G

29. FSHCT Forest Insect and Disease Laboratory Northeastern Forest Experiment Station
Forest Service, USDA, 51 Mill Pond Road Hamden CT 06514 USA
Wallner, W E

SECTION VIII - PARTICIPATING RESEARCH AND ACTION AGENCY PERSONNEL

PART A - Overseas Facilities and Explorers Involved, with Addresses

30. HDA — Hawaii Department of Agriculture 1428 South King Street
Honolulu, Oahu HI 96814 USA
Burkhart, R M — Murai, K T

31. HURIPP — Research Institute of Plant Protection Herman Otto u. 15
Budapest II - 1525 Hungary
Kozar, F

32. IIBIII — Insect Ident & Benef Insect Intro Inst ARS, USDA
Bldg. 003, BARC-West Beltsville MD 20705 USA
Knutson, L

33. INHS — Illinois Natural History Survey Division 607 East Peabody Drive
Champaign IL 61820 USA
Kogan, M

34. IPRU — Insect Pathology Research Unit ARS, USDA
Boyce Thompson Institute, Cornell Univ. Ithaca NY 14853 USA
Soper, R S

35. ISTAU — Tel Aviv University Department of Zoology
Ramat-Aviv, 69 978 Tel Aviv Israel
Gerling, D

36. ISVCIPP — Volcani Center, Inst of Plant Protection Department of Entomology
P.O. Box 6 Bet Dagan 50-200 Israel
Blumberg, D

37. JAIPSS — Ibaraki Prefectural Sericulture Station Wakenuka Sekimoto, Sekijo-cho
Ibaraki Prefecture Makabe 308-01 Japan
Sakayori, K

38. JAKU — Kyushu University Division of Insect Natural Enemies
Institute of Biological Control Fukuoka 812, Kyushu Japan
Arakawa, R — Murakami, Y

39. JANFTES — Nagano Fruit Tree Experiment Station 492, Ogawara, Susaka, 382
Nagano, Honshu Japan
Kitamura, T

40. JATAES — Tokyo-to Agricultural Experiment Station 3-10 Fujimi-cho
Tachikawa Tokyo Japan
Kawai, S

41. JATNAES — Tohoku Natl Agriculture Exp Station Entomological Laboratory
Akahira 4, Shimo-Kuriyagawa Morioka, Iwate 020-01 Japan
Maeta, Y

SECTION VIII - PARTICIPATING RESEARCH AND ACTION AGENCY PERSONNEL

PART A - Overseas Facilities and Explorers Involved, with Addresses

42. LE
Lebanon
Kawar, N

43. MTSUC Montana State University Western Agricultural Research Center
531 N E Quast Lane Corvallis MT 59828 USA
Story, J M

44. MXCIMMYT Ctr Intn de Mejoramiento de Maiz y Trigo Lisboa 27, Apdo Postal 6-641
Col. Juarez, Deleg. Cuauhtemoc Mexico City 06600 Distr. Fed. Mexico
Mihm, J A

45. MXINIA Instituto Nacional de Investig Agricolas Apartados 6-882 y 6-883
Mexico City 6 Distr Federal Mexico
Carrillo, J L

46. OARDC Ohio Agricultural Res & Development Ctr Department of Entomology
Ohio State University Wooster OH 44691 USA
Rubink, W L

47. PABFB Pennsylvania Bureau of Forestry, DER Division of Forest Pest Management
P.O. Box 61 Blain PA 17006 USA
Ticehurst, M

48. SCCU Clemson University Dept. Entomology, Fisheries & Wildlife
Clemson SC 29631 USA
Carner, G R Shepard, B M

49. SCCUE Clemson University Edisto Experiment Station
P.O. Box 247 Blackville SC 29817 USA
Turnipseed, S G

50. SFPPRIP Plant Protection Research Institute Department of Agriculture & Fisheries
Agr Bldgs, Beatrix St, Private Bag X134 Pretoria South Africa
Hamburg, H V

51. SFPPRIS Plant Protection Research Institute Winter Rainfall Region
Department of Agriculture & Fisheries Stellenbosch South Africa
Neser, S

52. SFUNWRI Wattle Research Institute University of Natal
P. O. Box 375, 3200 Pietermaritzburg South Africa
Borthwick, R B

53. SZETH Eidgenossiche Technische Hochschule Institut für Spezielle Botanik
Zürich CH8006 Switzerland
Schubiges, F X Sedlar, L

SECTION VIII - PARTICIPATING RESEARCH AND ACTION AGENCY PERSONNEL

PART A - Overseas Facilities and Explorers Involved, with Addresses

54. TAMU Texas A&M University Department of Entomology
College Station TX 77843 USA
Cocke, W M | Stansly, P A | Steck, G J

55. TAMUD Texas A&M University Res & Ext Ctr Research and Extension Center at Dallas
17360 Coit Road Dallas TX 75252 USA
Schuster, M F

56. THDA Department of Agriculture Entomology and Zoology Division
Bangkok 9 Thailand
Supharngkasen, P

57. THKKU Khon Kaen University Department of Plant Protection
Khon Kaen Thailand
Kiratikasikorn, M

58. UAR University of Arkansas Department of Entomology
Fayetteville AR 72701 USA
Yearian, W C

59. UARP University of Arkansas Department of Plant Pathology
Fayetteville AR 72701 USA
TeBeest, D O

60. UCB University of California, Berkeley Division of Biological Control
Department of Entomology Albany CA 94706 USA
Kennett, C E | Tassan, R L | Vandenberg, N J

61. UCD University of California, Davis Department of Entomology
Davis CA 95616 USA
Ehler, L E

62. UCR University of California, Riverside Division of Biological Control
Department of Entomology Riverside CA 92521 USA
Badii, M | DeBach, P | Gordh, G
McMurtry, J A | Oatman, E R | Rose, M J
Unruh, T R

63. UFFL University of Florida Agricultural Research & Education Center
3205 SW College Ave Fort Lauderdale FL 33314 USA
Reinert, J A

64. UFG University of Florida Department of Entomology & Nematology
Gainesville FL 32611 USA
Castner, J L | Habeck, D H
Sailer, R I

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SECTION VIII - PARTICIPATING RESEARCH AND ACTION AGENCY PERSONNEL

PART A - Overseas Facilities and Explorers Involved, with Addresses

65. UFH University of Florida Tropical Agr Research & Education Center
18905 SW 280 Street Homestead FL 33031 USA
Baranowski, R M

66. UHI University of Hawaii Department of Entomology
Honolulu HI 96822 USA
Beardsley, J W

67. UMD University of Maryland Department of Entomology
College Park MD 20740 USA
Arestegui, A Giron, A

68. URAIPQ All-Union Institute for Plant Quarantine Ministry of Agriculture
Orlikov per. 1/11 Moscow 107139 USSR
Buleza, V V Jershova, N I Kuznetzov, V N
Maximowa, W I

69. URZI Zoological Institute USSR Academy of Sciences
Leningrad 199164 USSR
Kovalev, O V

70. VPI Virginia Polytechnic Inst & State Univ Department of Entomology
Blacksburg VA 24061 USA
Kosztarab, M

71. VTERL Veterinary Toxicology & Entomol Res Lab ARS, USDA
P. O. Drawer GE College Station TX 77841 USA
Fincher, G T

72. YOIACKR Inst Adriatic Cult & Karst Reclamation Department of Plant Protection
Split Yugoslavia
Tominic, A

SECTION VIII - PARTICIPATING RESEARCH AND ACTION AGENCY PERSONNEL - 1981

PART B - Quarantine Facilities, Listed Alphabetically by acronynm, with Addresses and Quarantine Officers

1. BBSL	Bee Biology and Systematics Lab ARS, USDA Utah State University Logan UT 84322 USA	D. F. Viers, Quarantine Officer
2. BCIRL	Biological Control of Insects Res Lab ARS, USDA Research Park, P.O. Box A Columbia MO 65205 USA	B. Puttler, Quarantine Officer
3. BCWRL	Biological Control of Weeds Research Lab ARS, USDA 1050 San Pablo Ave Albany CA 94706 USA	A. H. Krueger, Quarantine Officer
4. BIIL-PPQ	Plant Germplasm Quarantine Center APHIS-PPQ, USDA (c/o BIIL) Bldg. 320, BARC-East Beltsville MD 20705 USA	
5. BIRL	Beneficial Insects Research Laboratory ARS, USDA 501 South Chapel Street Newark DE 19713 USA	L. R. Ertle, Quarantine Officer
6. FBCL	Florida Biological Control Laboratory Division of Plant Industry, FDACS P.O. Box 1269 Gainesville FL 32602 USA	C. A. Bennett, Quarantine Officer
7. GSWRL	Grassland, Soil and Water Research Lab ARS, USDA P.O. Box 748 Temple TX 76501 USA	P. E. Boldt, Quarantine Officer
8. HDA	Hawaii Department of Agriculture 1428 South King Street Honolulu, Oahu HI 96814 USA	G. Y. Funasaki, Quarantine Officer
9. IPRU	Insect Pathology Research Unit ARS, USDA Boyce Thompson Institute, Cornell Univ. Ithaca NY 14853 USA	R. A. Humber, Quarantine Officer
10. PDRL	Plant Disease Research Laboratory ARS, USDA P.O. Box 1209 Frederick MD 21701 USA	W. L. Bruckart, Quarantine Officer
11. SRQF	Stoneville Research Quarantine Facility ARS, USDA P.O. Box 225 Stoneville MS 38776 USA	W. A. Jones, Quarantine Officer
12. TAMU	Texas A&M University Department of Entomology College Station TX 77843 USA	R. A. Wharton, Quarantine Officer
13. UCB	University of California, Berkeley Division of Biological Control Department of Entomology Albany CA 94706 USA	L. K. Etzel, Quarantine Officer
14. UCD	University of California, Davis Department of Entomology Davis CA 95616 USA	L. E. Ehler, Quarantine Officer
15. UCR	University of California, Riverside Division of Biological Control Department of Entomology Riverside CA 92521 USA	M. E. Badgley, Quarantine Officer
16. VPI	Virginia Polytechnic Inst & State Univ Department of Entomology Blacksburg VA 24061 USA	L. T. Kok, Quarantine Officer

SECTION VIII - PARTICIPATING RESEARCH AND ACTION AGENCY PERSONNEL - 1981

PART B - Quarantine Facilities, Listed Alphabetically by acronynm, with Addresses and Quarantine Officers

17. VTERL Veterinary Toxicology & Entomol Res Lab ARS, USDA
P. O. Drawer GE College Station TX 77841 USA R. R. Blume, Quarantine Officer

SECTION VIII - PARTICIPATING RESEARCH AND ACTION AGENCY PERSONNEL

PART C - Identifiers Assisting in Determination of Species Released, with their Affiliations and Locations

1	APL	Asian Parasite Laboratory, ARS, USDA Sapporo, Hokkaido 062 Japan Schaefer, P W
2	AUUG	University of Graz Graz Austria Kaiser, H
3	BBSL	Bee Biology and Systematics Lab Logan UT USA Torchio, P F
4	BCIL	Biological Control of Insects Laboratory Tucson AZ USA Debolt, J W
5	BCIRL	Biological Control of Insects Res Lab Columbia MO USA Puttler, B
6	BCWLE	Biological Control of Weeds Lab, Europe Rome Italy Rizza, A
7	BCWRL	Biological Control of Weeds Research Lab Albany CA USA Dunn, P H Krueger, A H Maddox, D M Mayfield, A Pemberton, R W
8	BEL	Boyden Entomology Laboratory Riverside CA USA Tanigoshi, L K
9	BIIL	Beneficial Insect Introduction Lab Beltsville MD USA Batra, S W T Hung, A C F Schroder, R F W
10	BIRL	Beneficial Insects Research Laboratory Newark DE USA Angalet, G W Dysart, R J Elia, F Ertle, L R Fuester, R W Hendrickson, R M Schaefer, P W Swan, K S Taylor, P B Tropp, J M

SECTION VIII - PARTICIPATING RESEARCH AND ACTION AGENCY PERSONNEL

PART C - Identifiers Assisting in Determination of Species Released, with their Affiliations and Locations

11	CCWPCD	Crook Co Weed & Pest Control District Sundance WY USA	Sell, L S
12	CDABRI	Biosystematics Research Institute Ottawa ON K1A 0C6 Canada	Yoshimoto, C M
13	CDAOON	Ottawa Research Sta, Canada Agriculture Ottawa ON K1A 0C6 Canada	Loan, C C
14	CEJFL	U.S. Army Corps of Engineers District Jacksonville FL USA	Dupes, M
15	CEVMS	U.S. Army Corps of Engineers Vicksburg MS USA	Cofrancesco, A F
16	CFSSSMON	Canadian Forestry Service Sault Ste. Marie ON P6A 5M7 Canada	Lyons, L A
17	CIBCPS	Commonwealth Inst of Biological Control Rawalpindi Pakistan	Siddiqui, R K
18	CIE	Commonwealth Institute of Entomology London SW7 5JR UK	Subba Rao, B R
19	CODA	Colorado Department of Agriculture Palisade CO USA	Mowrer, K E Nees, D M Stahl, F J
20	COMJJHNE	J J Holmes Arcadia NE USA	Holmes, J J
21	CTAES	Connecticut Agr. Expt. Station New Haven CT USA	Weseloh, R M
22	FBCL	Florida Biological Control Laboratory Gainesville FL USA	Bennett, C A
23	FSCOR	Forestry Sciences Laboratory Corvallis OR USA	Ryan, R B
24	FSHCT	Forest Insect and Disease Laboratory Hamden CT USA	Wallner, W E
25	FSPOR	Forest Pest Management, Pacific NW Reg. Portland OR USA	Pettinger, L F

SECTION VIII - PARTICIPATING RESEARCH AND ACTION AGENCY PERSONNEL

PART C - Identifiers Assisting in Determination of Species Released, with their Affiliations and Locations

26	FSRTPNC	Forestry Sciences Laboratory Research Triangle Pk NC USA Drooz, A T
27	GCWPCD	Goshen Co Weed & Pest Control District Torrington WY USA Schwartzkopf, R
28	GUUG	University of Guam Mangilao GU Guam-USA Nechols, J R
29	HDA	Hawaii Department of Agriculture Honolulu, Oahu HI USA Funasaki, G Y Kumashiro, B R Teramoto, K K
30	HDAH	Hawaii Department of Agriculture Hilo, Hawaii HI USA Yoshioka, E R
31	HDAM	Hawaii Department of Agriculture Kahului, Maui HI USA Miyahira, N
32	HNHM	Hungarian Natural History Museum Budapest Hungary Endrody, S
33	IAMARL	Insects Affecting Man & Animals Res Lab Gainesville FL USA Morgan, P B
34	INPU	Purdue University West Lafayette IN USA Flanders, R V
35	LCWPCD	Lincoln Co Weed & Pest Control District Afton WY USA Hurd, J
36	LSU	Louisiana State University Baton Rouge LA USA Boethel, D J
37	MDDA	Maryland Department of Agriculture College Park MD USA Tichenor, R H
38	MTSUC	Montana State University Corvallis MT USA Story, J M
39	NHDA	New Hampshire Department of Agriculture Concord NH USA Durkis, T J

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PART C - Identifiers Assisting in Determination of Species Released, with their Affiliations and Locations

40	NJDA	New Jersey Department of Agriculture Trenton NJ USA	Chianese, R J Garrison, G Palmer, D J
41	NL	Nematology Laboratory Beltsville MD USA	Nickle, W R
42	PABF	Pennsylvania Bureau of Forestry, DER Middletown PA USA	Fusco, R A
43	PCWPCD	Park Co Weed & Pest Control District Powell WY USA	Parsons, R R
44	PPQBMD	APHIS, PPQ, Cooperative Mexican Bean Beltsville MD USA	Smith, H T
45	PPQNMI	Biological Control Satellite Facility Niles MI USA	Burger, T L Montgomery, V E
46	PPQOMA	Otis Methods Development Center Otis ANGB MA USA	Forrester, O T
47	RIL	Rangeland Insect Laboratory, ARS, USDA Bozeman MT USA	Rees, N E
48	SCCUE	Clemson University Blackville SC USA	Turnipseed, S G
49	SCWPCD	Sublette Co Weed & Pest Control District Pinedale WY USA	Burroughs, L
50	SEL	Systematic Entomology Laboratory Beltsville MD USA	Burks, B D Carlson, R W Gagné, R J Gordon, R D Grissell, E E Marsh, P M Menke, A S Sabrosky, C W Schauff, M E Smiley, R L White, R E

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PART C - Identifiers Assisting in Determination of Species Released, with their Affiliations and Locations

51	SRQF	Stoneville Research Quarantine Facility Stoneville MS USA	Jones, W A
52	THKU	Kasetsart University Bangkok 10900 Thailand	Napompeth, B
53	UCB	University of California, Berkeley Albany CA USA	Caltagirone, L E Dahlsten, D L Hagen, K S Riedl, H
54	UCD	University of California, Davis Davis CA USA	Ehler, L E
55	UCR	University of California, Riverside Riverside CA USA	Fisher, T W Goeden, R D Gordh, G Legner, E F McMurtry, J A Oatman, E R Rose, M J
56	UFG	University of Florida Gainesville FL USA	Sailer, R I
57	UFH	University of Florida Homestead FL USA	Waddill, V H
58	UMO	University of Missouri Columbia MO USA	Kirkland, R L
59	UNH	University of New Hampshire Durham NH USA	Reeves, R M
60	VADACS	VA Dept. of Agric. and Consumer Services Richmond VA USA	Tate, J R
61	VADACSVB	Virgina Dept. Agr. & Consumer Services Virginia Beach VA USA	Craun, D W Good, T M Hayes, B A

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PART C - Identifiers Assisting in Determination of Species Released, with their Affiliations and Locations

62	VPI	Virginia Polytechnic Inst & State Univ Blacksburg VA USA	Kok, L T McAvoy, T
63	VTERL	Veterinary Toxicology & Entomol Res Lab College Station TX USA	Blume, R R Fincher, G T
64	WCRL	Western Cotton Research Laboratory Phoenix AZ USA	Butler, G D
65	WIDNR	Wisconsin Dept of Natural Resources Fitchburg WI USA	Hall, D J
66	WVDA	West Virginia Department of Agriculture Inwood WV USA	Mason, T L
67	YARL	Yakima Agricultural Research Laboratory Yakima WA USA	Fye, R E

SECTION VIII - PARTICIPATING RESEARCH AND ACTION AGENCY PERSONNEL

PART D - All Personnel, Listed Alphabetically by Facility Acronym, with Addresses

1. ?
?
?
Eggborn, W P
Gregory, D
Hoyas, V H
Majchrowicz, I
Miller, H S
Mitchell, W H
Morris, R H
Sirisingh, S
Thomson, E L
Uargo, G

2. AEI
American Entomological Institute 5950 Warren Road
Ann Arbor MI 48105 USA
Gupta, V

3. ALDCNR
Alabama Dept Conservation & Nat Res P. O. Box 245
Spanish Fort AL 36527 USA
Zolczynski, J

4. APL
Asian Parasite Laboratory, ARS, USDA 32-7 Fukuzumi, 1-Jo 3-Chrome
Toyohira-ku Sapporo, Hokkaido 062 Japan
Carlson, R W
Ikebe, K
Suzuki, I

5. APLC
Asian Parasite Laboratory, Cooperator Kochi Prefecture, Shikoku
Japan
Inoue, T

6. ARINTA
Inst Nacional de Tecnologia Agropecuaria Departamento de Patologia Vegetal
C. C. 25 Castelar 1712 Argentina
Crouzel, I S

7. AS
Ingleburn, Sydney New South Wales Australia
Sweeney, A W

8. ASDA
American Samoa Department of Agriculture
Pago Pago AS 96799 American Samoa-USA
Hirata, L

9. AUUG
University of Graz Zoological Institute
Graz Austria
Kaiser, H

10. BBR
Benson Brothers Ranch Route 1
Deer Lodge MT 59722 USA
Benson, F & B

11. BBSL
Bee Biology and Systematics Lab ARS, USDA
Utah State University Logan UT 84322 USA
Torchio, P F

SECTION VIII - PARTICIPATING RESEARCH AND ACTION AGENCY PERSONNEL

PART D - All Personnel, Listed Alphabetically by Facility Acronym, with Addresses

12. BCIL Biological Control of Insects Laboratory ARS, USDA
2000 East Allen Road Tucson AZ 85719 USA
Debolt, J W
Graham, H M

13. BCIRL Biological Control of Insects Res Lab ARS, USDA
Research Park, P.O. Box A Columbia MO 65205 USA
Biever, K D
Long, S H
McCoy, M
Puttler, B

14. BCWLE Biological Control of Weeds Lab, Europe ARS, USDA
Via Gastone Monaldi, 34 Rome 00128 Italy
Campobasso, G
Dunn, P H
Hostettler, N
Mimmocchi, T
Pecora, P
Rizza, A
Spencer, N R

15. BCWLEGR Biological Control of Weeds Lab, Europe Faculty of Agriculture, University Farm
University of Thessaloniki (ARS, USDA) Thessaloniki Greece
Sobhian, R

16. BCWLSA Biological Control of Weeds Lab, So Amer ARS, USDA
1559 South Bolivar Hurlingham 1686 Argentina
Cordo, H A
Ferrer, M
Ferrer, R

17. BCWRL Biological Control of Weeds Research Lab ARS, USDA
1050 San Pablo Ave Albany CA 94706 USA
Andres, L A
Clement, S L
Johnson, G R
Krueger, A H
Maddox, D M
Mayfield, A
Pemberton, R W
Rosenthal, S S

18. BEL Boyden Entomology Laboratory Speciality Crops Insects, ARS, USDA
University of California, P.O. Box 112 Riverside CA 92521 USA
Tanigoshi, L K

19. BFMT Betty Fries Route 1
Martinsdale MT 59053 USA
Fries, B

20. BIARMT Bureau of Indian Affairs, USDI Flathead Agency
Drawer A Ronan MT 59864 USA
Funke, R L

21. BICL Bioenvironmental Insect Control Lab ARS, USDA, Delta States Research Center
P. O. Box 225 Stoneville MS 38776 USA
Coleman, A
Ginn, S
King, E G
Ries, J
Tidwell, A

SECTION VIII - PARTICIPATING RESEARCH AND ACTION AGENCY PERSONNEL

PART D - All Personnel, Listed Alphabetically by Facility Acronym, with Addresses

22. BIIL — Beneficial Insect Introduction Lab ARS, USDA
Bldg. 417, BARC-East Beltsville MD 20705 USA

Batra, S W T	Coulson, J R	Hung, A C F
Norden, B M	Schroder, R F W	Vincent, D L

23. BIRL — Beneficial Insects Research Laboratory ARS, USDA
501 South Chapel Street Newark DE 19713 USA

Angalet, G W	Angulo, K	Barth, S E
Carr, M	Connell, W A	Day, W H
Dysart, R J	Elia, F	Ertle, L R
Fuester, R W	Gordon, R D	Hendrickson, R M
Schaefer, P W	Short, J	Swan, K S
Taylor, P B	Tropp, J M	

24. BLMDMT — Bureau of Land Management, USDI Dillon Resource Area
Dillon MT 59725 USA

Cosgriffe, H R	Des, R

25. BMNH — British Museum (Natural History) Cromwell Road
London SW7 5B1 UK

Noyes, J S

26. BPBM — Bernice P Bishop Museum 1525 Bernice Street
Honolulu HI 96818 USA

Goff, M L	Sakimura, K

27. BPCRU — Biological Pest Control Research Unit ARS, USDA
1911 SW 34th Street, P.O. Box 1269 Gainesville FL 32602 USA

Buckingham, G R

28. BTINY — Boyce Thompson Institute Cornell University
Tower Road Ithaca NY 14853 USA

Roberts, D W

29. CABCSP — Biological Control Services Program California Dept of Food and Agriculture
3288 Meadowview Road Sacramento CA 95832 USA

Bezark, L G	Brunetti, K	Casanave, K A
Halstead, J	Hanisch, G E	Hunter, C D
Joley, D B	Luna, G	Villegas, B

30. CADPI — California Division of Plant Industry Control & Eradication Unit
Calif. Dept. Food & Agr., 1220 N Street Sacramento CA 95814 USA

Jensen, J L

31. CADT — California Department of Transportation 1120 N Street
Sacramento CA 95814 USA

Cassidy, D

SECTION VIII - PARTICIPATING RESEARCH AND ACTION AGENCY PERSONNEL

PART D - All Personnel, Listed Alphabetically by Facility Acronym, with Addresses

32. CAMABC B.C. Ministry of Agriculture 162 Oriole Road
Kamloops BC V2C 4N7 Canada
Cranston, R S

33. CAMACODA Madera County Department of Agriculture 902 North Gateway Drive
Madera CA 93637 USA
Tipton, G

34. CAYOCODA Yolo County Department of Agriculture 70 Cottonwood Street
Woodland CA 95695 USA
Perkins, R

35. CCWPCD Crook Co Weed & Pest Control District
Sundance WY 82729 USA
Bornkessell, J Sell, L S

36. CDABRI Biosystematics Research Institute Research Branch, Agriculture Canada
Central Experimental Farm Ottawa ON K1A 0C6 Canada
Masner, L Yoshimoto, C M

37. CDAKNS Canada Dept Agr, Research Station Research Branch, Canada Agriculture
Kentville NS B4N 1J5 Canada
Specht, H B

38. CDAOON Ottawa Research Sta, Canada Agriculture Entomology Laboratory
Central Experimental Farm Ottawa ON K1A 0C6 Canada
Loan, C C

39. CDARPS Canada Dept Agr, Res Progr Services Sect Research Branch, Canada Agriculture
Central Experimental Farm Ottawa ON K1A 0C6 Canada
Kelleher, J S Williamson, G D

40. CEJFL U.S. Army Corps of Engineers District Aquatic Plant Operations Support Center
P.O. Box 4970 Jacksonville FL 32232 USA
Dupes, M Gallagar, G Mason, J

41. CEMAL U.S. Army Corps of Engineers District P.O. Box 2288
Mobile AL 36628 USA
Eubanks, M J

42. CENOLA U.S. Army Corps of Engineers District P.O. Box 60267
New Orleans LA 70160 USA
Cali, F Montz, G N

43. CEVMS U.S. Army Corps of Engineers Waterways Experiment Station
P.O. Box 631 Vicksburg MS 39180 USA
Cofrancesco, A F Theriot, R F

SECTION VIII - PARTICIPATING RESEARCH AND ACTION AGENCY PERSONNEL

PART D - All Personnel, Listed Alphabetically by Facility Acronym, with Addresses

44. CFSSSMON Canadian Forestry Service Great Lakes Forestry Centre
P.O. Box 490 Sault Ste. Marie ON P6A 5M7 Canada
Lyons, L A

45. CHCAAS Chinese Academy of Agricultural Sciences Biological Control Laboratory
30, Bai Shi Qiao Road, West Suburbs Beijing China (PRC)
Qiu, S

46. CHGCRI Guangxi Citrus Res. Inst.
Guilin, Guangxi Prov China (PRC)
Chen, Y

47. CHHFRI Hebei Fruit Research Institute Changli County
Hebei Province China (PRC)
Cao, Z

48. CHSCAC South China Agricultural College Plant Protection Department
Guangzhou China (PRC)
Chen, S

49. CIBCES Commonwealth Inst of Biological Control European Station
1, Chemin des Grillons Delemont CH-2800 Switzerland
Carl, K P Glanz, W D

50. CIBCESAU Commonwealth Inst of Biological Control European Station, Austrian Substation
Inprugg 35 A-3040 Neulengbach Austria
Altenhofer, E Heidecker, L

51. CIBCIS Commonwealth Inst of Biological Control Indian Station, Post Bag 2484
Hebbal Agricultural Farm, P.O. Bangalore 560 024 India
Ramaseshiah, G

52. CIBCPS Commonwealth Inst of Biological Control Pakistan Station (PARC-CIBC)
Murree Road, P. O. Box 8 Rawalpindi Pakistan
Khan, A G Mohyuddin, A I Munawar, M S
Siddiqui, R K

53. CIBCWIS Commonwealth Inst of Biological Control West Indian Station
Gordon Street Curepe, Trinidad Trinidad & Tobago
Bennett, F D Cock, M J W Yaseen, M

54. CIE Commonwealth Institute of Entomology Commonwealth Agricultural Bureaux (CAB)
56, Queen's Gate London SW7 5JR UK
Boucek, Z Subba Rao, B R

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PART D - All Personnel, Listed Alphabetically by Facility Acronym, with Addresses

55. CIINIALC Inst. de Investigaciones Agropecuaria Subestacion Experimental La Cruz
Chorillos 86, Casilla 3 La Cruz Chile
Rojas, S Suzuki, H

56. CIRLTX Cotton Insects Research Laboratory ARS, USDA
P. O. Drawer DG College Station TX 77840 USA
Jones, S L Morrison, R K

57. CIRU Cotton Insects Research Unit ARS, USDA
P.O. Box 1033 Brownsville TX 78520 USA
Dulmage, H T

58. CODA Colorado Department of Agriculture Div. Plant Industry, Biol. Control Sect.
P.O. Box 400 Palisade CO 81526 USA
Jenkins, J Merlino, A J Mowrer, K E
Nees, D M Stahl, F J

59. COLL X ?
? MT USA
X, X

60. COMARTI Applied Research Technologies, Internat. American Bank Building, Suite 406
608 Washington Boulevard Laurel MD 20708 USA
Kennedy, J W

61. COMB Biosis 1057 East Meadow Circle
Palo Alto CA 94303 USA
X

62. COMBCC Boise Cascade Corporation
LaGrande OR 97850 USA
Barton, E Humiston, R Templeton, G

63. COMBE Bio-Ecologics P. O. Box 1029
Arvada CO 80001 USA
Keenan, L C

64. COMBI Biosystems, Inc. 762 Highway 78
Loganville GA 30249 USA
Batra, P Prakash, V

65. COMBIRC Bio-Integral Resource Center Rt. 1, Box 28
Winters CA 59694 USA
Klicz, W Olkowski, W

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PART D - All Personnel, Listed Alphabetically by Facility Acronym, with Addresses

66. COMJJHNE J J Holmes R Rt 1, Box 179
Arcadia NE 68815 USA
Holmes, J J

67. COMKC Kinzua Corporation
Heppner OR 97836 USA
Vandehey, M

68. COMLI Laporte Insectaries 2220 North Highway 287
Fort Collins CO 80524 USA
McNary, T J

69. COMRVI Rincon-Vitova Insectaries, Inc. P.O. Box 95
Oak View CA 93022 USA
Dietrick, E J

70. COSASAFA Sanid Agropec Secr Agr Fomento Antioquia
Medellin Colombia
Urueta, E J

71. CRLUT Crops Research Laboratory ARS, USDA
Utah State University Logan UT 84322 USA
Chase, R Gomm, F B Karren, J

72. CSIROB Commonwealth Sci & Industrial Org CSIRO Long Pocket Laboratories
Private Bag No. 3 Indooroopilly, Brisbane Queensland 4068 Australia
Sands, D

73. CSIROSL Commonwealth Sci & Industrial Org CSIRO Cunningham Laboratory
St. Lucia Queensland 4067 Australia
Lawn, R J

74. CTAES Connecticut Agr. Expt. Station Department of Entomology
123 Huntington Street, Box 1106 New Haven CT 06504 USA
Kaya, H K Weseloh, R M

75. CUENSC Estacion Nacional de Sanidad de Citricos Ministerio de la Agricultura Autopista
Municipio Playo Cuba
Cabrera, R I

76. CXMT "Charlie"
Avon MT 59713 USA
X, C

77. CZPCC Panama Canal Commission
Balboa Heights CZ USA (Panama Canal Zone)
Murdock, W P

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78. CZRFT
R F Theriot, CEVMS, on travel status
South Gamboa CZ Panama Canal Zone-USA
Theriot, R

79. DCGU
Georgetown University Department of Biology
1400 37th Street, N.W. Washington DC 20057 USA
Barrows, E

80. DEDA
Delaware Department of Agriculture Drawer D
Dover DE 19903 USA
Harrison, L
Hickman, W R

81. EGPPI
Parasite Research Divison Plant Protection Institute, Agr Res Ctr
Ministry of Agriculture Dokki, Cairo Egypt
Ibrahim, A A

82. EGUM
University of Menofia Faculty of Agriculture
Shebin El Kom Menofia Egypt
Osman, A A

83. EMBRAPAB
EMBRAPA - Directoria Executiva Ed. Venancio 2.000 - S/914
70.600 Brasilia - DF Brazil
Naves, M A

84. EMBRAPAL
EMBRAPA / CNPSoya Caixa Postal, 1062.86.100
Londrina, Parana Brazil
Ferreira, B S C

85. EPL
European Parasite Laboratory, ARS, USDA 47 rue des Fontenelles
Sevres 92310 France
Coutinot, D
Friedman, R
Gruber, F
Hedlund, R C
Hoyer, H
Mercadier, G
Perkins, B D

86. FBCL
Florida Biological Control Laboratory Division of Plant Industry, FDACS
P.O. Box 1269 Gainesville FL 32602 USA
Bennett, C A
Hampton, S
Ross, B

87. FLDPI
Division of Plant Industry Florida Dept. of Agr. & Consumer Serv.
P.O. Box 1269 Gainesville FL 32602 USA
Stange, L A
Woodruff, R E

88. FLDPIFL
Div Plant Industry, Citrus Blackfly Fac Florida Dept Agr and Consumer Services
Fort Lauderdale FL USA
Grandberry, W
Poucher, C

SECTION VIII - PARTICIPATING RESEARCH AND ACTION AGENCY PERSONNEL

PART D - All Personnel, Listed Alphabetically by Facility Acronym, with Addresses

89. FNCL
Florist & Nursery Crops Laboratory ARS, USDA
Bldg. 470, BARC-East Beltsville MD 20705 USA
Rivnay, T

90. FRINRAA
Inst Natl de la Recherche Agronomique Station de Rech de Zool & de Lutte Biol
37, bd du Cap - B.P. 78 Antibes 06602 France
Pralavorio, R; Voegele, J

91. FRINRAG
Inst Natl de la Recherche Agronomique Station de Rech de Lutte Biologique
La Miniere Guyancourt 78280 France
Ferron, P; Soares,, G G

92. FRRU
Forage and Range Research Unit ARS, USDA, c/o Department of Agronomy
University of Nebraska, East Campus Lincoln NE 68583 USA
Ebke, D; McCarty, M K; Phillips, L

93. FSANC
Forest Pest Management, Region 8 Forest Service, USDA
200 Weaver Blvd. Asheville NC 28804 USA
Buchanan, A M; Ghent, J H; Huber, C M
Mitchell, C M

94. FSCMT
Forest Service, USDA Rocky Mountain Ranger District
P.O. Box 340 Choteau MT 59422 USA
Kid, N

95. FSCOR
Forestry Sciences Laboratory Pacific NW Forest & Range Expt. Station
Forest Service, USDA, 3200 Jefferson Way Corvallis OR 97331 USA
Ryan, R B

96. FSDOH
Forestry Sciences Laboratory Northeastern Forest Experiment Station
Forest Service, USDA, Box 365, Delaware OH 43015 USA
Kennedy, B H

97. FSEMT
Forest Service, USDA
Ennis MT 59729 USA
Felblinger, N

98. FSHCT
Forest Insect and Disease Laboratory Northeastern Forest Experiment Station
Forest Service, USDA, 51 Mill Pond Road Hamden CT 06514 USA
Grinberg, P S; ODell, T M; Wallner, W E

99. FSHMT
Forest Service, USDA Helena-Canyon Ferry Ranger District
Helena MT 59601 USA
Fehlig, E; Olsen, L

100. FSJWY
Hoback Ranger District Forest Service, USDA
P. O. Box 1689 Jackson WY 83001 USA
Connors, T; Prevedel, D; Smalley, G

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SECTION VIII - PARTICIPATING RESEARCH AND ACTION AGENCY PERSONNEL

PART D - All Personnel, Listed Alphabetically by Facility Acronym, with Addresses

101. FSOUT Forest Service, USDA State and Private Forestry
324 25th Street Ogden UT 84401 USA
Curtis, D

102. FSPOR Forest Pest Management, Pacific NW Reg. Division of State and Private Forestry
Forest Service, USDA, P.O. Box 3623 Portland OR 97208 USA
Pettinger, L F

103. FSRTPNC Forestry Sciences Laboratory Southeastern Forest Experiment Station
Forest Service, USDA, P.O. Box 12254 Research Triangle Pk NC 27709 USA
Drooz, A T Ghent, J

104. FSRVA Forest Insect and Disease Research Forest Service, USDA
Rm 609, Rosslyn Plaza Bldg E Rosslyn VA 22209 USA
McFadden, M W

105. FWSBOR Fish and Wildlife Service, USDI Malheur National Wildlife Refuge
P.O. Box 113 Burns OR 97720 USA
Mazzoni, J

106. FWSMMT Fish and Wildlife Service, USDI National Bison Range
Moiese MT 59824 USA
Kaschke, M R

107. GCWPCD Goshen Co Weed & Pest Control District
Torrington WY 82240 USA
Schwartzkopf, R

108. GSWRL Grassland, Soil and Water Research Lab ARS, USDA
P.O. Box 748 Temple TX 76501 USA
Boldt, P E DeLoach, A D DeLoach, C J

109. GUUG University of Guam College of Agriculture & Life Sciences
UOG Station Mangilao GU 96913 Guam-USA
Nechols, J R

110. HDA Hawaii Department of Agriculture 1428 South King Street
Honolulu, Oahu HI 96814 USA
Burkhart, R M Funasaki, G Y Kumashiro, B R
Murai, K T Nagamine, W T Otsuka, C K
Teramoto, K K

111. HDAH Hawaii Department of Agriculture Plant Pest Control Branch
16-E Lanikaula Street Hilo, Hawaii HI 96720 USA
Yoshioka, E R

SECTION VIII - PARTICIPATING RESEARCH AND ACTION AGENCY PERSONNEL

PART D - All Personnel, Listed Alphabetically by Facility Acronym, with Addresses

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Sugawa, D T

113. HDAM Hawaii Department of Agriculture Plant Pest Control Branch
635 Mua Street Kahului, Maui HI 96732 USA
Miyahira, N

114. HNHM Hungarian Natural History Museum (Termeszettudomanyi Muzeum)
Budapest Hungary
Endrody, S

115. HURIPP Research Institute of Plant Protection Herman Otto u. 15
Budapest II - 1525 Hungary
Kozar, F

116. IADA Iowa Department of Agriculture Wallace Building
East Nineth and Grand Streets Des Moines IA 50319 USA
Campbell, J W Carlson, C E Stoltenow, C R

117. IAMARL Insects Affecting Man & Animals Res Lab ARS, USDA
1600 SW 23rd Drive Gainesville FL 32604 USA
Morgan, P B Patterson, R S

118. IASUEXT Iowa State University, Extension
Ames IA 50011 USA
Buske, M DeWitt, J R

119. IDDA Idaho Department of Agriculture Division of Plant Industries
P.O. Box 790 Boise ID 83701 USA
Saunders, R C

120. IIBIII Insect Ident & Benef Insect Intro Inst ARS, USDA
Bldg. 003, BARC-West Beltsville MD 20705 USA
Knutson, L

121. INDNR Indiana Department of Natural Resources State Office Bldg
Indianapolis IN 46204 USA
Bollinger, H R

122. INHS Illinois Natural History Survey Division 607 East Peabody Drive
Champaign IL 61820 USA
Kogan, M

123. INPU Purdue University Department of Entomology
West Lafayette IN 47907 USA
Flanders, R V

SECTION VIII - PARTICIPATING RESEARCH AND ACTION AGENCY PERSONNEL

PART D - All Personnel, Listed Alphabetically by Facility Acronym, with Addresses

124. IPRU Insect Pathology Research Unit ARS, USDA
Boyce Thompson Institute, Cornell Univ. Ithaca NY 14853 USA
Humber, R A Soper, R S

125. ISCMB Citrus Marketing Board of Israel The "Israel Cohen" Inst for Biol Control
27 KKL Street Rehovot 16345 Israel
Rossler, Y

126. ISTAU Tel Aviv University Department of Zoology
Ramat-Aviv, 69978 Tel Aviv Israel
Gerling, D

127. ISVCIPP Volcani Center, Inst of Plant Protection Department of Entomology
P.O. Box 6 Bet Dagan, 50-200 Israel
Blumberg, D

128. ITUSS Universita degli Studi di Sassari Istituto di Entomologia Agraria
Via Enrico de Nicola Sassari (Sardegna) 07100 Italy
Prota, R

129. JAHFES Hokkaido Forest Experiment Station
Bibai, Hokkaido 079-01 Japan
Kamijo, K

130. JAIPSS Ibaraki Prefectural Sericulture Station Wakenuka Sekimoto, Sekijo-cho
Ibaraki Prefecture Makabe 308-01 Japan
Sakayori, K

131. JAKU Kyushu University Division of Insect Natural Enemies
Institute of Biological Control Fukuoka 812, Kyushu Japan
Arakawa, R Murakami, Y

132. JANFTES Nagano Fruit Tree Experiment Station 492, Ogawara, Susaka, 382
Nagano, Honshu Japan
Kitamura, T

133. JANU Nagoya University Furo-Cho, Chikusa-ku
Nagoya Japan
Ito, Y

134. JATAES Tokyo-to Agricultural Experiment Station 3-10 Fujimi-cho
Tachikawa Tokyo Japan
Kawai, S

135. JATNAES Tohoku Natl Agriculture Exp Station Entomological Laboratory
Akahira 4, Shimo-Kuriyagawa Morioka,Iwate 020-01 Japan
Maeta, Y

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PART D - All Personnel, Listed Alphabetically by Facility Acronym, with Addresses

136. JCWPCD
Johnson Co Weed & Pest Control District
Buffalo WY 82834 USA
Beydler, J

137. KS-1
COMJJHNE Business Customer #3
Centralia KS 66415 USA
Bus.Customer, JJH

138. KS-2
COMJJHNE Business Customer #7
Clyde KS 66938 USA
Bus.Customer, JJH

139. KSSU
Kansas State University Department of Entomology
Manhattan KS 66506 USA
Horber, E K

140. LCWPCD
Lincoln Co Weed & Pest Control District
Afton WY 83110 USA
Hurd, J

141. LE
Lebanon
Kawar, N

142. LIRU
Livestock Insects Research Unit ARS, USDA, c/o Dept of Entomology
University of Nebraska, East Campus Lincoln NE 68583 USA
Petersen, J J

143. LSU
Louisiana State University Department of Entomology
Baton Rouge LA 70893 USA
Boethel, D J

144. MADEMS
Massachusetts Dept Environ Management Bur Shade Tree Management & Pest Control
Stow MA 01775 USA
Trefrey, D V

145. MDDA
Maryland Department of Agriculture Plant Protection Section
51st Street College Park MD 20742 USA
Bacon, N
Hollins, M
Malan, S C
Staines, C L
Tichenor, R H

146. MDHWK
H. W. Kerr, Jr
Mitchellville MD 20716 USA
Kerr, H W

147. MEFS
Maine Forest Service Entomological Laboratory
50 Hospital St Augusta ME 04330 USA
Bradbury, R L
Dearborn, R G
Waterman, R

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148. ML
Mycology Laboratory ARS, USDA
Bldg. 011-A, BARC-West Beltsville MD 20705 USA
Batra, L R

149. MO-1
COMJJHNE Business Customer #4
Gallatin MO 64640 USA
Bus.Customer, JJH

150. MODA
Missouri Department of Agriculture Division of Plant Industries
P.O. Box 630 Jefferson City MO 65102 USA
Burgess, L P
Carmichael, O E
Dotson, J A
Francka, J E
Shepard, R

151. MODAS
Missouri Department of Agriculture P.O. Box 67
Sikeston MO 63281 USA
Hanning, L

152. MPMA
Ministry of Agr., Nat. Res. & Environ. Entomology Division
Reduit Mauritius
Monty, J

153. MSDWC
Mississippi Dept. Wildlife Conservation P.O. Box 451
Jackson MS 39205 USA
Barkley, H

154. MTFWP
Montana State FWP
Fairfield MT 59436 USA
Nyburg, H

155. MTSU
Montana State University Department of Entomology
Bozeman MT 59717 USA
Nowierski, R M

156. MTSUC
Montana State University Western Agricultural Research Center
531 N E Quast Lane Corvallis MT 59828 USA
Story, J M

157. MTSUEXT
Montana State University-Extension Cooperative Extension Service
Bozeman MT 59717 USA
Cole, J
Hoffman, L

158. MTSUM
Montana State University Central Agricultural Research Center
P.O. Mocassin MT 59462 USA
Rardon, P L

159. MTSUPSS
Montana State University Department of Plant and Soil Science
Bozeman MT 59717 USA
Fay, P K

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160. MXCIMMYT Ctr Intn de Mejoramiento de Maiz y Trigo Lisboa 27, Apdo Postal 6-641
Col. Juarez, Deleg. Cuauhtemoc Mexico City 06600 Distr. Fed. Mexico
Mihm, J A

161. MXINIA Instituto Nacional de Investig Agricolas Apartados 6-882 y 6-883
Mexico City 6 Distr Federal Mexico
Carrillo, J L

162. NCDA North Carolina Department of Agriculture Plant Industry Div., Plant Protect. Sec.
P.O. Box 27647 Raleigh NC 27611 USA
Galloway, R H Lehrer, C A Mitchell, J R

163. NCSU North Carolina State University Department of Entomology
Raleigh NC 27650 USA
Keller, M A Kuhn, E D

164. NCSUEXT NC State University, Extension
Raleigh NC 27650 USA
Bowden, M M

165. NDSU North Dakota State University Department of Entomology
Fargo ND 58105 USA
Frye, R D

166. NE-1 COMJJHNE Business Customer #1
Naponee NE 68960 USA
Bus.Customer, JJH

167. NE-10 COMJJHNE Business Customer #13
St Libory NE 68872 USA
Bus.Customer, JJH

168. NE-11 COMJJHNE Business Customer #14
Palmer NE 68864 USA
Bus.Customer, JJH

169. NE-12 COMJJHNE Business Customer #15
Tecumseh NE 68450 USA
Bus.Customer, JJH

170. NE-13 COMJJHNE Business Customer #16
Brainard NE 68626 USA
Bus.Customer, JJH

171. NE-14 COMJJHNE Business Customer #17
Franklin NE 68939 USA
Bus.Customer, JJH

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172. NE-15 COMJJHNE Business Customer #18
Bloomington NE 68929 USA
Bus.Customer, JJH

173. NE-16 COMJJHNE Business Customer #19
Bloomfield NE 68718 USA
Bus.Customer, JJH

174. NE-17 COMJJHNE Business Customer #20
Niobrara NE 68760 USA
Bus.Customer, JJH

175. NE-18 COMJJHNE Business Customer #21
Kearney NE 68847 USA
Bus.Customer, JJH

176. NE-19 COMJJHNE Business Customer #22
Spalding NE 68665 USA
Bus.Customer, JJH

177. NE-2 COMJJHNE Business Customer #2
Stromsburg NE 68666 USA
Bus.Customer, JJH

178. NE-3 COMJJHNE Business Customer #5
Center NE 68724 USA
Bus.Customer, JJH

179. NE-4 COMJJHNE Business Customer #6
Riverton NE 68972 USA
Bus.Customer, JJH

180. NE-5 COMJJHNE Business Customer #8
Table Rock NE 68447 USA
Bus.Customer, JJH

181. NE-6 COMJJHNE Business Customer #9
Loup City NE 68853 USA
Bus.Customer, JJH

182. NE-7 COMJJHNE Business Customer #10
Gothenburg NE 69138 USA
Bus.Customer, JJH

183. NE-8 COMJJHNE Business Customer #11
Prague NE 68050 USA
Bus.Customer, JJH

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PART D - All Personnel, Listed Alphabetically by Facility Acronym, with Addresses

184. NE-9 COMJJHNE Business Customer #12
Chapman NE 68827 USA
Bus.Customer, JJH

185. NHDA New Hampshire Department of Agriculture State Lab Bldg., Lab D, Hazen Drive
(also RFD 1, Box 45, Laconia, NH 03246) Concord NH 03301 USA
Durkis, T J

186. NJDA New Jersey Department of Agriculture Division of Plant Industry
101 Oakland Street (CN 330) Trenton NJ 08625 USA
Bullock, R H
Garrison, G W
Palmer, D J
Riley, S
Chianese, R J
Metterhouse, W W
Phillips, D
Schlaufman, C J
Dorsey, T W
Mina, P J
Phillips, K S

187. NJRU Rutgers University, Cook College Dept of Entomology & Economic Zoology
State University of New Jersey New Brunswick NJ 08903 USA
Lashomb, J H

188. NL Nematology Laboratory ARS, USDA, Plant Protection Institute
Bldg 011A, BARC-West Beltsville MD 20705 USA
Nickle, W R

189. NLZL Zoologisch Laboratorium Div. Ecol., Dept. Population Biol.
Postbus 9516 Leyden 2300 Netherlands
van Alphen, J J M

190. NPSYNP Yosemite National Park Resources Management
Yosemite Natl Park CA 95389 USA
Botti, S

191. NYCU Cornell University Department of Entomology
Comstock Hall Ithaca NY 14853 USA
Tauber, M J

192. NZDSIRA Dept Sci & Indus Res - Entomology Div Mt Albert Research Centre
120 Mt Albert Road Auckland New Zealand
Allan, D J

193. NZDSIRL Dept Sci & Indus Res - Entomology Div Lincoln Substation
Private Bag Christchurch New Zealand
Syrett, P

194. OARDC Ohio Agricultural Res & Development Ctr Department of Entomology
Ohio State University Wooster OH 44691 USA
Flessel, J K
Rubink, W L
Williams, R N

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195. OHSU Ohio State University Department of Entomology
Columbus OH 43210 USA
Johnson, N F

196. OKSU Oklahoma State University Department of Entomology
Stillwater OK 74074 USA
Eikenbary, R D Need, J Yanes, J

197. ORDA Oregon Department of Agriculture Agriculture Building
635 Capitol Street, N.E. Salem OR 97310 USA
Brown, J Hawkes, R B Penrose, R L

198. ORDFL Oregon Department of Forestry Northeast Oregon District
LaGrande OR 97850 USA
Joseph, P

199. ORSU Oregon State University Department of Entomology
Corvallis OR 97331 USA
Miller, J C

200. PABF Pennsylvania Bureau of Forestry, DER Division of Forest Pest Management
34 Airport Drive Middletown PA 17057 USA
Fusco, R A Quimby, J W

201. PABFB Pennsylvania Bureau of Forestry, DER Division of Forest Pest Management
P.O. Box 61 Blain PA 17006 USA
Ticehurst, M

202. PCEMRU Pest Control Equipment & Methods Res ARS, USDA
Texas A & M University College Station TX 77841 USA
Bouse, L F

203. PCWPCD Park Co Weed & Pest Control District
Powell WY 82435 USA
Parsons, R R

204. PDRL Plant Disease Research Laboratory ARS, USDA
P.O. Box 1209 Frederick MD 21701 USA
Bruckart, W L Latterell, F M Rossi, A E

205. PPQBMD APHIS, PPQ, Cooperative Mexican Bean Beetle Demonstration Project
Building 320, BARC-East Beltsville MD 20705 USA
Smith, H T

206. PPQMTX National Biological Control Center PPQ, APHIS, USDA
P. O. Box 787 Mission TX 78572 USA
Wendell, L E

SECTION VIII - PARTICIPATING RESEARCH AND ACTION AGENCY PERSONNEL

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207. PPQNEIV APHIS, PPQ, NE Region, Area IV William Greene, Jr. Federal Building
Rm. 9452 Sixth and Arch Streets Philadelphia PA 19106 USA

Garra, M G	Shiner, R J	Thompson, C J

208. PPQNEV APHIS, PPQ, NE REGION, AREA V 1010 Jorie Boulevard, Suite 38
Oak Brook IL 60521 USA

Arnold, C	Bedford, J	Boughton, D
Bradley, R	Carroll, J	Felt, W L
Felts, W L	Henderson, W P	Hendrickson, W P
Howe, B S	Kubik, C	Line, H E
Lovejoy, R D	Neff, C W	Sproat, B
Stanford, G	Trudeau, M	Zechman, J

209. PPQNEVII APHIS, PPQ, NE Region, Area VII 1 Park North, Suite 300
5550 Friendship Boulevard Chevy Chase MD 20815 USA

Clement, G L	Fieselmann, D	Tustin, A E

210. PPQNMI Biological Control Satellite Facility PPQ, APHIS, USDA
2534 South 11th Street Niles MI 49120 USA

Bassler, D	Bernon, G L	Bryan, M D
Burger, T L	Holden, H	Holmes, M C
Montgomery, V E	Pelligrini, D	

211. PPQOMA Otis Methods Development Center PPQ, APHIS, USDA
Bldg 1398 Otis ANGB MA 02542 USA
Forrester, O T

212. PPQSCIV APHIS, PPQ, South Central Reg, Area IV 1411 Southwest Boulevard
Jefferson City MO 65101 USA

Brennecke, B J	Burnett, T L	Larson, R A
Nichols, R W	Wallerich, G E	Wallerich, J L

213. PPQSEIII APHIS, PPQ, SE Region, Area III 3505 25th Avenue
P.O. Box 13 Gulfport MS 39502 USA

Conn, L M	Johnson, V

214. PPQSMS Satellite Rearing Lab PPQ, APHIS, USDA Starkville, MS
c/o Gast Rearing Lab, P.O. Box 5367 Mississippi State MS 39762 USA
Roberson, J L

215. PRUPRRP Universidad de Puerto Rico Crop Protection Department
Agr. Expt. Sta., P.O. Box 21360 Rio Piedras PR 00928 USA-PR
Roman, J

216. PSRL Plant Science Research Laboratory ARS, USDA
P.O. Box 1029 Stillwater OK 74076 USA
Burton, R L

SECTION VIII - PARTICIPATING RESEARCH AND ACTION AGENCY PERSONNEL

PART D - All Personnel, Listed Alphabetically by Facility Acronym, with Addresses

217. RE
St Denis Reunion
Etienne, J

218. RIL
Rangeland Insect Laboratory, ARS, USDA Montana State University
So. 11th Avenue Bozeman MT 59717 USA
Rees, N E

219. SCCU
Clemson University Dept. Entomology, Fisheries & Wildlife
Clemson SC 29631 USA
Alverson, D R
Carner, G R
Cobb, C H
Grant, J F
McWhorter, R
Shepard, B M

220. SCCUE
Clemson University Edisto Experiment Station
P.O. Box 247 Blackville SC 29817 USA
McCutcheon, G S
Parkman, J P
Turnipseed, S G

221. SCSCMT
Soil Conservation Service, USDA P.O. Box 488
Choteau MT 59422 USA
Long, S

222. SCWPCD
Sublette Co Weed & Pest Control District
Pinedale WY 82941 USA
Burroughs, L

223. SDSU
South Dakota State University Department of Plant Science
Brookings SD 57006 USA
Kantack, B H

224. SDSUEXT
South Dakota State University-Extension Cooperative Extension Service
Brookings SD 57007 USA
Lamp, L L
Rezek, R
Riechman, A

225. SEL
Systematic Entomology Laboratory ARS, USDA,
Bldg. 003, BARC-West Beltsville MD 20705 USA
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Gagné, R J
Grissell, E E
Kingsolver, J M
Marsh, P M
Menke, A S
Nakahara, S
Sabrosky, C W
Schauff, M E
Shaw, S R
Smiley, R L
White, R E
Whitehead, D R
Wilder, D

226. SFPPRIP
Plant Protection Research Institute Department of Agriculture & Fisheries
Agr Bldgs, Beatrix St, Private Bag X134 Pretoria South Africa
Hamburg, H V
van Rensburg, N J

227. SFPPRIS
Plant Protection Research Institute Winter Rainfall Region
Department of Agriculture & Fisheries Stellenbosch South Africa
Neser, S

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228. SFTNRL Southeastern Fruit & Tree Nut Res Lab ARS, USDA
P.O. Box 87 Byron GA 31008 USA
Tedders, W L

229. SFUNWRI Wattle Research Institute University of Natal
P. O. Box 375, 3200 Pietermaritzburg South Africa
Borthwick, R B

230. SPIRDL Stored Product Insects Res. & Dev. Lab. ARS, USDA, 3401 Edwin St.
P O. Box 22909 Savannah GA 31403 USA
Arbogast, R T

231. SRQF Stoneville Research Quarantine Facility ARS, USDA
P.O. Box 225 Stoneville MS 38776 USA
Jones, W A Powell, J E

232. SWSL Southern Weed Science Laboratory ARS, USDA
P.O. Box 225 Stoneville MS 38876 USA
Frick, K E

233. SZETH Eidgenossiche Technische Hochschule Institut für Spezielle Botanik
Zürich CH8006 Switzerland
Defago, G Schubiges, F X Sedlar, L

234. TAMU Texas A&M University Department of Entomology
College Station TX 77843 USA
Cate, J R Cocke, W M Gilstrap, F E
Smith, J W Stansly, P A Steck, G J
Wharton, R A

235. TAMUB Texas A&M Univ Agr Res & Ext Ctr
Bushland TX 79012 USA
Green, J J Wiese, A F

236. TAMUD Texas A&M University Res & Ext Ctr Research and Extension Center at Dallas
17360 Coit Road Dallas TX 75252 USA
Schuster, M F

237. TAMUL Texas A & M University Agricultural Research & Extension Center
Route 3 Lubbock TX 79401 USA
Archer, T L

238. TAMUW Texas A&M University, Weslaco Texas A&M Agricultural Res Ext Center
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Johnson, K J R

SECTION VIII - PARTICIPATING RESEARCH AND ACTION AGENCY PERSONNEL

PART D - All Personnel, Listed Alphabetically by Facility Acronym, with Addresses

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Supharngkasen, P

240. THKKU Khon Kaen University Department of Plant Protection
Khon Kaen Thailand
Kiratikasikorn, M

241. THKU Kasetsart University P.O. Box 9-52
Bangkok 10900 Thailand
Napompeth, B

242. TVAMSAL Tennessee Valley Authority Fisheries & Aquatic Ecology Branch
E & D Building Muscle Shoals AL 35660 USA
Bates, A L
Burns, E R

243. TXSRU Sul Ross University Department of Biology
Alpine TX 79830 USA
Richerson, J V

244. TXTU Texas Technical University Department of Entomology
Lubbock TX 79401 USA
Hooten, J R

245. UAR University of Arkansas Department of Entomology
Fayetteville AR 72701 USA
Miner, F D
Yearian, W C
Young, S Y

246. UARP University of Arkansas Department of Plant Pathology
Fayetteville AR 72701 USA
TeBeest, D O

247. UCB University of California, Berkeley Division of Biological Control
Department of Entomology Albany CA 94706 USA
Caltagirone, L E
Dahlsten, D L
Etzel, L K
Hagen, K S
Kennett, C E
Riedl, H
Tassan, R L
Vandenberg, N J

248. UCBB University of California, Berkeley Department of Entomology
Berkeley CA 94720 USA
Hoy, M A
Poinar, G O

249. UCBE University of California, Berkeley Environmental Health and Safety
Berkeley CA 94720 USA
Slater, A

SECTION VIII - PARTICIPATING RESEARCH AND ACTION AGENCY PERSONNEL

PART D - All Personnel, Listed Alphabetically by Facility Acronym, with Addresses

250. UCD University of California, Davis Department of Entomology
Davis CA 95616 USA
Bugg, R L
Ehler, L E

251. UCDEXT University of California, Davis, Extension Service
Davis CA 95616 USA
Loomis, E C

252. UCR University of California, Riverside Division of Biological Control
Department of Entomology Riverside CA 92521 USA

?	Badgley, M E	Badii, M
DeBach, P	Federici, B A	Fisher, T W
Goeden, R D	Gonzalez, D	Gordh, G
Gregory, W A	Hall, I M	Johnson, H G
LaSalle, J	Legner, E F	Luck, R F
McMurtry, J A	Medved, R A	Oatman, E R
Orth, R E	Rose, M J	Scriven, G
Thompson, S N	Toy, S	Unruh, T R
Warkentin, R W	Woolley, J B	

253. UDE University of Delaware Department of Entomology
Newark DE 19713 USA
Tallamy, D

254. UFFL University of Florida Agricultural Research & Education Center
3205 SW College Ave Fort Lauderdale FL 33314 USA
Reinert, J A

255. UFG University of Florida Department of Entomology & Nematology
Gainesville FL 32611 USA

Castner, J L	Habeck, D H	Sailer, R I
Tseng, J-M		

256. UFH University of Florida Tropical Agr Research & Education Center
18905 SW 280 Street Homestead FL 33031 USA

Baranowski, R M	Swanson, R W	Waddill, V H

257. UFLA University of Florida Agricultural Research & Education Center
700 Experiment Station Road Lake Alfred FL 33850 USA
McCoy, C W

258. UHI University of Hawaii Department of Entomology
Honolulu HI 96822 USA
Beardsley, J W

259. UHIEXT University of Hawaii, College of Tropical Agriculture,
Extension Honolulu HI 96822 USA
Arakaki, A

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260. UID University of Idaho Plant, Soil & Entomological Sciences
Moscow ID 83843 USA
Barr, W F; Gillespie, R L; Johnson, J B
Merickel, F W

261. UKGCRI Glasshouse Crops Research Institute Worthing Road
Rustington Littlehampton W Sussex BN16 3PU United Kingdom
Hall, R A

262. UKY University of Kentucky Department of Entomology
Lexington KY 40506 USA
Yeargan, K V

263. UMD University of Maryland Department of Entomology
College Park MD 20740 USA
Arestegui, A; Barbosa, P; Giron, A

264. UME University of Maine Department of Entomology
Orono ME 04469 USA
Vandenburg, J D

265. UMNEXT University of Minnesota Agricultural Extension Service
1509 Gortner Avenue St. Paul MN 55108 USA
Lofgren, J A; Strand, O E

266. UMO University of Missouri Department of Entomology
Columbia MO 65211 USA
Fairchild, M L; Kirkland, R L; Lee, J H

267. UNH University of New Hampshire Department of Entomology
Durham NH 03824 USA
Reeves, R M

268. UPA University of Pennsylvania Morris Arboretum
9414 Meadowbrook Avenue Philadelphia PA 19118 USA
Lamstein, L; Rhoads, N

269. URAIPQ All-Union Institute for Plant Quarantine Ministry of Agriculture
Orlikov per. 1/11 Moscow 107139 USSR
Buleza, V V; Izhevsky, S S; Jershova, N I
Kuznetzov, V N; Maximowa, W I

270. URZI Zoological Institute USSR Academy of Sciences
Leningrad 199164 USSR
Kovalev, O V

SECTION VIII - PARTICIPATING RESEARCH AND ACTION AGENCY PERSONNEL

PART D - All Personnel, Listed Alphabetically by Facility Acronym, with Addresses

271. USHRL U.S. Horticultural Research Laboratory ARS, USDA
2120 Camden Road Orlando FL 32803 USA
Beavers, J B Lovestrand, S A

272. USRPRL U.S. Regional Pasture Research Lab ARS, USDA
Curtin Road University Park PA 16802 USA
Byers, R A Seymour, P

273. USSFS U.S. Sugarcane Field Station ARS, USDA
Star Route, Box 8, Highway 441 Canal Point FL 33438 USA
Sosa, O

274. UTSU Utah State University Dept. of Biology
Logan UT 84322 USA
Youssef, N N

275. UTSUEXT Utah State University-Extension Cooperative Extension Service
Utah State University, UMC 49 Logan UT 84322 USA
Roberts, R S

276. UVA University of Virginia Department of Biology
Charlottesville VA 22903 USA
McCormack, J

277. UWI University of Wisconsin Department of Entomology
Madison WI 53706 USA
Coppel, H C

278. UWIEXT University of Wisconsin, Extension County Agent
Madison WI 53706 USA
Ausderau, E Blonde, M P Hartman, G F

279. UWY University of Wyoming Division of Plant Science
University Station, P.O. Box 3354 Laramie WY 82071 USA
Duffy, C J Lavigne, R J

280. VADACS Virginia Dept. Agr. & Consumer Services Plant Pest Control Laboratory
1 North 14th Street, P.O Box 1163 Richmond VA 23209 USA
Hayes, B Robertson, R W Tate, J R
Zimmerman, W W

281. VADACSVB Virgina Dept. Agr. & Consumer Services Division of Product & Ind. Regulation
Plant Pest Control Laboratory Virginia Beach VA USA
Craun, D W Good, T M Hayes, B A
Williams, J R

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SECTION VIII - PARTICIPATING RESEARCH AND ACTION AGENCY PERSONNEL

PART D - All Personnel, Listed Alphabetically by Facility Acronym, with Addresses

282. VADF Virginia Division of Forestry, DC&ED Insect and Disease Investigations
Box 3758 Charlottesville VA 22903 USA
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283. VATORSVB Virginia Truck & Ornamentals Res. Sta. 1444 Diamond Springs Road
Virginia Beach VA 23455 USA
Banko, T J Schultz, P B

284. VPI Virginia Polytechnic Inst & State Univ Department of Entomology
Blacksburg VA 24061 USA
Fleischer, S Kok, L T Kosztarab, M
Mays, W McAvoy, T

285. VPIEXT Virginia Polytechnic Inst & State Univ Extension
Blacksburg VA 24061 USA
Newsome, Z L Younger, L

286. VTERL Veterinary Toxicology & Entomol Res Lab ARS, USDA
P. O. Drawer GE College Station TX 77841 USA
Blume, R R Fincher, G T

287. WASU Washington State University Department of Entomology
Pullman WA 99164 USA
Gorman, R King, R Piper, G L

288. WASUW Tree Fruit Research Center Washington State University
1100 N Western Avenue Wenatchee WA 98801 USA
Hoyt, S C

289. WCRL Western Cotton Research Laboratory ARS, USDA
4135 East Broadway Road Phoenix AZ 85040 USA
Butler, G D

290. WGMT Wesley Goffena
Delphia MT 59073 USA
Goffena, W

291. WHWMT Mrs. William Hibbs Wallace Wallace Ranch
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Wallace, W H

292. WIDATCP WI Dept Agr, Trade & Consumer Protection 801 West Badger Road
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SECTION VIII - PARTICIPATING RESEARCH AND ACTION AGENCY PERSONNEL

PART D - All Personnel, Listed Alphabetically by Facility Acronym, with Addresses

293. WIDNR Wisconsin Dept of Natural Resources 3911 Fish Hatchery Road
Fitchburg WI 53711 USA
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294. WVDA West Virginia Department of Agriculture Plant Pest Control Division
P. O. Box 66 Inwood WV 25428 USA
Bostic, E Mason, T L

295. WVU West Virginia University Division of Plant and Soil Science
Morgantown WV 26506 USA
Weaver, J E

296. YARL Yakima Agricultural Research Laboratory ARS, USDA
3706 West Nob Hill Blvd Yakima WA 98902 USA
Chauvin, R L Fye, R E Tamaki, G

297. YOIACKR Inst Adriatic Cult & Karst Reclamation Department of Plant Protection
Split Yugoslavia
Tominic, A

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SECTION IX - SUMMARY INFORMATION - 1981

+ = Some records with unknown release amounts

	Total Number of Species Released	Total Number of Specimens Released	Total Number of Hosts/Prey Released Against	Total Number States/Terr. Releases Made	Total Number of Counties Releases Made
Parasites	105	12,998,445+	66	36	272
Predators	40	593,204+	32	16	45
Weed Control Agents	20	1,570,060+	18	26	160
Microbial Agents	0	N/A	0	0	0
Pollinators	3	5,360	N/A	3	4
Other Beneficial Species	3	1,736	N/A	1	2
Grand Totals	171	15,168,805+	102	48	393

NOTE: Some parasites and predators were released against the same hosts/prey and therefore the grand total is not a sum of the figures in that column. Similarly, several kinds of beneficial organisms were released in the same States/Territories and counties, and the grand totals are not sums of the figures in those columns.

☆ U.S. GOVERNMENT PRINTING OFFICE: 1988-522-292/00356

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